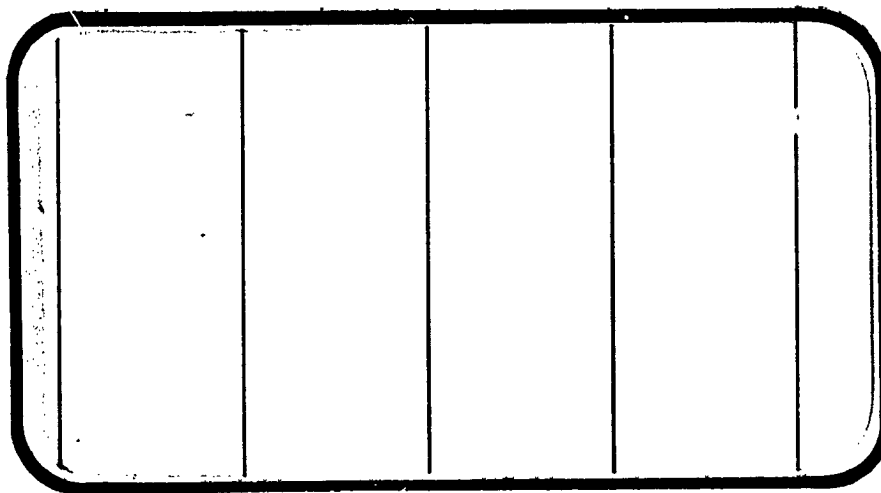


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(NASA-CR-141525) RESULTS OF TRANSONIC WIND
TUNNEL TESTS ON AN 0.010-SCALE SPACE SHUTTLE
MATED VEHICLE MODEL 72-OTS IN THE LaRC
8-FOOT TPT (IA43) (Chrysler Corp.)
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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



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HOUSTON, TEXAS**

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SPACE DIVISION



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CORPORATION**

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RESULTS OF TRANSONIC WIND TUNNEL TESTS
ON AN 0.010-SCALE SPACE SHUTTLE MATED VEHICLE MODEL
72-OTS IN THE LaRC 8-FOOT TPT (IA43)

By

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Prepared under NASA Contract Number NAS9-13247

By

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Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: LaRC 8-Foot TPT 693
NASA Series Number: IA43
Test Date: August 26 through August 30, 1974
Model Number: 72-OTS
Occupancy Hours: 72

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RESULTS OF TRANSONIC WIND TUNNEL TESTS
ON AN 0.010-SCALE SPACE SHUTTLE MATED VEHICLE MODEL
72-OTS IN THE LaRC 8-FOOT TPT (IA43)

By

M. T. Petrozzi and M. D. Milam, Rockwell International Space Division

ABSTRACT

Experimental aerodynamic investigations were conducted in NASA/Langley 8-Foot Transonic Pressure Tunnel on a sting mounted 0.010-scale outer mold line model of 140A/B configuration of the Rockwell International Space Shuttle Vehicle. These tests were conducted during the time period from August 26, 1974 to August 30, 1974.

The primary test objectives were to obtain 1) six component force and moment data for the mated vehicle at subsonic and transonic conditions, 2) effects of configuration build-up, 3) effects of protuberances, ET/Orbiter fairings and attach structure and 4) elevon deflection effects on wing bending moment.

Six component aerodynamic force and moment data and base and balance cavity pressures were recorded over an angle of attack range of -10° to $+10^\circ$ at Mach numbers of 0.6, 0.8, 0.9, 0.98, 1.13, and 1.2. Selected configurations were tested at sideslip angles from -10° to $+10^\circ$. For all configurations involving the orbiter, wing bending and torsion were measured on the right wing.

For all build-up tests the elevons, body flap, rudder and speedbrake

ABSTRACT (Concluded)

settings were 0°.

For the tests to determine the effects of elevon setting upon wing bending moment, inboard elevon setting of 0°, +4° and +8° and outboard settings of 0°, +4° and +8° were tested.

The model was sting mounted on the NASA/LRC 839A balance. For most tests the balance was installed in the orbiter. For configurations where the orbiter was excluded, the balance was installed in the external tank.

TABLE OF CONTENTS

	Page
ABSTRACT	111
INDEX OF MODEL FIGURES	2
INDEX OF DATA FIGURES	3
NOMENCLATURE	5
CONFIGURATIONS INVESTIGATED	13
TEST FACILITY DESCRIPTION	16
DATA REDUCTION	17
TABLES	
I. TEST CONDITIONS	21
II. DATA SET/RUN NUMBER COLLATION SUMMARY	22
III. MODEL DIMENSIONAL DATA	25
FIGURES	
MODEL	58
DATA	67
APPENDIX	
TABULATED SOURCE DATA	

INDEX OF MODEL FIGURES

Figure	Title	Page
1.	Axis Systems.	58
2.	Model Sketches.	
	a. Orbiter Three View	59
	b. Mated Vehicle	60
	c. SRB Protuberances	61
	d. (T ₂₈) External Tank Protuberances	62
	e. Base Pressure Instrumentation	63
	f. Orbiter Body Flap Pressure Coefficients	64
3.	Model Installation Photographs.	
	a. Front View	65
	b. Rear View	66

INDEX OF DATA FIGURES

TITLE	PLOTTED		PLOT PAGES
	COEFFICIENTS SCHEDULE	CONDITIONS VARYING	
Configuration Build-Up Effects on Longitudinal Characteristics	A B C	Configuration Configuration Configuration	1-24 25-30 31-33
Lateral-Directional Characteristics of Launch Configuration, Alpha = 0.	D E	Mach -	34-43 44-45
Effect of Sideslip Angle on Launch Vehicle Longitudinal Characteristics	A B	Beta Beta	46-65 66-70
GMS Pod and SRB Skirt Effect on Launch Vehicle Longitudinal Characteristics	A B C	Configuration Configuration Configuration	71-94 95-100 101-103
Effect of Elevons on Wing Loads with Inboards at 4 Degrees	F	ELV-L0, ELV-R0	104-107
Effect of Elevons on Wing Loads with Inboards at 8 Degrees	F	ELV-L0, ELV-R0	108-111
Effect of Sideslip Angle on Wing Loads, Alpha = 0.	G	Mach	112-116
Wing Load for Constant Outboard Elevon Setting	H	Alpha, Mach	117-124
Wing Load for Constant Inboard Elevon Setting	I	Alpha, Mach	125-140
Effect of Elevon Deflections on Launch Vehicle Longitudinal Characteristics	A	ELV-L0, ELV-R0	141-172

INDEX OF DATA FIGURES (Concluded)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	PLOT PAGES
Launch Vehicle Incremental Longitudinal Characteristics Due to Elevon Deflection	J	Alpha, Mach (DEL-R0 = 0)	173-176
	K	Alpha, Mach (DEL-RI = 4)	177-180
	K	Alpha, Mach (DEL-RI = 8)	181-184

Plotted Coefficients Schedule:

A: CAF, CAB, CNF, CLMF vs. ALPHA
 B: CNF vs. CLMF
 C: CAFALO, CABAFO, CLMAFO, CNFAFO, CLMALF, CNALFA, XAC/L vs. Mach
 D: CY vs. BETA, CY vs. CYN
 E: CYNBTA, CYBETA, YAC/L, CBLBTA vs. MACH
 F: CBN, CTW, CNW vs. ALPHA
 G: CBN, CTW, CNW vs. BETA
 H: CBN, CTW, CNW vs. ELV-LI
 I: CBN, CTW, CNW vs. ELV-LO
 J: DLTCNF, DLTCML, DLTCAF vs. DEL-LI
 K: DLTCNF, DLTCML, DLTCAF vs. DEL-LO

NOMENCLATURE General

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C _p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m ² , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m ² , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m ³ , slugs/ft ³

Reference & C.G. Definitions

Ab		base area; m ² , ft ²
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l}{c}$ _{REF}	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m ² , ft ²
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

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NOMENCLATURE (Continued)

Body-Axis System

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CEL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$

Stability-Axis System

C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CEL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	L/D	lift-to-drag ratio; C_L/C_D
L/D _f	L/DF	lift to forebody drag ratio; C_L/C_{D_f}

NOMENCLATURE (Continued)
Additions to Standard List

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Description</u>
A_{bACPS}		attitude control propulsion system base area, ft^2
A_{bET}		external tank base area, ft^2
A_{bOMS}		OMS pods base area, ft^2
A_{bo}		Orbiter fuselage base area, ft^2
A_{bf}		Orbiter bodyflap base area, ft^2
A_{bSRB}		SRB base area, ft^2
A_{bSRBN}		SRB nozzle base area, ft^2
A_{CET}		external tank balance cavity area, ft^2
A_{CORB}		Orbiter balance cavity area, ft^2
b		Orbiter wing span, in
$C_{A_{b\alpha=0}}$	CABAFO	base axial force coefficient at $\alpha = 0$
$C_{A_{bET}}$	CABET	external tank base axial force coefficient
$C_{A_{bOMS}}$		OMS pod base axial force coefficient
$C_{A_{bo}}$	CABO	Orbiter base axial force coefficient
$C_{A_{bSRB}}$	CABSRB	SRB base axial force coefficient
$C_{A_{f\alpha=0}}$	CAFAFO	forebody axial force coefficient at $\alpha = 0$

NOMENCLATURE (Continued)
Additions to Standard List

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Description</u>
$C_{L\beta}$	CBLBTA	derivative of rolling moment coefficient ($-5 \leq \beta \leq 5$); per degree
C_{BW}	CBW	Orbiter wing bending moment coefficient
$C_{mf\alpha=0}$	CLMAFO	forebody pitching moment coefficient at $\alpha = 0$
$C_{m\alpha}$	CLMALF	derivative of pitching moment coefficient ($-5 \leq \alpha \leq 5$); per degree
C_{LWI}	CLWI	wing root roll axis bending moment coefficient about inboard gage, $C_{LWI} = m_1/qSb$
C_{LWO}	CLWO	wing root roll axis bending moment coefficient about outboard gage, $C_{LWO} = m_2/qSb$
C_{mbf}	CLMBF	Orbiter bodyflap base pitching moment coefficient
C_{mb0}	CLMBO	Orbiter fuselage pitching moment coefficient
C_{mf}	CLMF	forebody pitching moment coefficient
C_{mWG}	CMWG	wing root pitch axis bending moment coefficient about gage, $C_{mWG} = m_3/qSc$
$C_{N\alpha}$	CNALFA	derivative of normal force coefficient ($-5 \leq \alpha \leq 5$); per degree
C_{Nbf}	CNBF	Orbiter body flap normal force coefficient
C_{Nb0}	CNBO	Orbiter fuselage base normal force coefficient
C_{Nf}	CNF	forebody normal force coefficient

NOMENCLATURE (Continued)
Additions to Standard List

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Description</u>
$C_{N_{f_{\alpha=0}}}$	CNFAFO	forebody normal force coefficient at $\alpha = 0$
C_{N_W}	CNW	Orbiter wing normal force coefficient
$C_{p_{bET}}$		external tank base pressure coefficient
$C_{p_{bf}}$		bodyflap base pressure coefficient
$C_{p_{bO}}$		Orbiter fuselage base pressure coefficient
$C_{p_{bSRB}}$		SRB base pressure coefficient
$C_{p_{OMS}}$		OMS pod base pressure coefficient
C_{TW}	CTW	wing torsional moment coefficient
\bar{c}		wing mean aerodynamic chord, in
$C_{y_{\beta}}$	CYBETA	derivative of side force coefficient ($-5 \leq \beta \leq 5$); per degree
$C_{n_{\beta}}$	CYNBTA	derivative of yawing moment coefficient ($-5 \leq \beta \leq 5$); per degree
$\Delta \delta_{eI}$	DEL-LI, DEL-LO	incremental inboard elevon deflection angle, difference between two runs; deg.
$\Delta \delta_{eO}$	DEL-LO, DEL-RO	incremental outboard elevon deflection angle, difference between two runs; deg.
ΔC_{A_f}	DLTCAF	incremental forebody axial force coefficient, difference between two runs
ΔC_m	DLTCLM	incremental pitching moment coefficient, difference between two runs

NOMENCLATURE (Continued)
Additions to Standard List

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Description</u>
ΔC_{N_f}	DLTCNF	incremental forebody normal force coefficient, difference between two runs
i_{b_0}		Orbiter base incidence angle, deg.
l_b		Orbiter fuselage length, in
m_1		wing strain gage number 1 measurement, in-lb
m_2		wing strain gage number 2 measurement, in-lb
m_3		wing strain gage number 3 measurement, in-lb
$P()$		pressure measurement at orifice number equal to subscript, psia
	XAC/L	longitudinal center of pressure locations, ratio of the derivatives of pitching moment coefficient and normal force (CLMALF/CNALFA)
X_{CPW}	XCPW	longitudinal location of wing center of pressure, inches aft of Orbiter nose ($X_0 = 235$)
X_{G_3}		longitudinal location of wing strain gage number 3, in. X_0
X_0		Orbiter longitudinal station, in
X_S		SRB longitudinal station, in
X_T		external tank longitudinal station, in
X_{WRC}		longitudinal location at wing reference center, in X_0
	YAC/L	lateral center of pressure location, ratio of the derivatives of yawing moment coefficient and side force (CYNBTA/CYBETA)

NOMENCLATURE (Continued)
Additions to Standard List

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Description</u>
Y_{CPW}	YCPW	lateral location of wing center of pressure, in Y_0
Y_{G1}		lateral location of wing strain gage number 1, in Y_0
Y_{G2}		lateral location of wing strain gage number 2, in Y_0
Y_0		Orbiter lateral station, in
Y_S		SRB lateral station, in
Y_T		external tank lateral station, in
Y_{WRC}		lateral location of wing reference center, in Y_0
Z_0		Orbiter vertical station, in
Z_S		SRB vertical station, in
Z_T		external tank vertical station, in
δ_{BF}	BDFLAP	bodyflap deflection angle, deg.
δ_{eI}	ELV-LI, ELV-RI	inboard elevon panel deflection angle, deg.
δ_{eO}	ELV-LO, ELV-RO	outboard elevon panel deflection angle, deg.
δ_r	RUDDER	rudder deflection angle, deg
δ_{SB}	SPDBRK	speedbrake deflection angle, deg.

Abbreviations and Subscripts

<u>Symbol</u>	<u>Definition</u>
a	aileron

NOMENCLATURE (Concluded)
Additions to Standard List

<u>Symbol</u>	<u>Definition</u>
ACPS	attitude control propulsion system
BAC	internal balance
e	elevon
ET	external oxygen/hydrogen tank
i	model pressure number
I	inboard
L	left
O	outboard
MPS	main propulsion system
MRP	moment reference point
OMS	Orbital maneuvering system
ORB	Orbiter
r	rudder
R	right
SRB	solid rocket booster
SRBN	solid rocket booster nozzle

CONFIGURATIONS INVESTIGATED

Configuration build-up studies were performed during this test series. In addition to the build-up of the major components, protuberance build-up studies and alternate SRB nozzle configurations were investigated.

Model 72-OTS dimensional data are given in Table III.

The tested configurations included the following components:

AT ₂₈	Attach structure, VL78-000063, VL78000062B, VC78-000002
AT ₂₉	Attach structure, VL78-000062B, 82600207000, VC78-000002
AT ₃₀	Attach structure, VL78-000066, 82600207000, VC78-000002
AT ₃₁	Attach structure, VL78-000063, VL78-000062B, VL78-000066, VC78-000002
AT ₃₂	Attach structure, VL78-000063, VL78-000062B, VL78-000066, VC78-000002
B ₂₆	Fuselage, VL70-000193, VL70-000140A, VL70-000140B
C ₉	Canopy, VL70-000140A, VL70-000143A
E ₄₄	Elevon, SAS/AERO/74-344
F ₁₀	Bodyflap, VL70-000140B, VL70-000200
FL ₁₀	Feedline, VL78-000063, VL78-000062B, VC78-000002
FL ₁₁	Feedline, VL78-000063, VL78-000062B, VC78-000002
FR ₁₀	Fairing, VL78-000063, VL78-000062B, 82600207000, VC78-000002
M ₁₄	Alternate OMS pod, VL70-008457
M ₁₆	OMS pod, VL70-000203

CONFIGURATIONS INVESTIGATED (Concluded)

N ₂₈	OMS nozzle, VL70-000140A
N ₈₆	SRBN, VL77-000066, VC77-000002
PS ₁	Electrical tunnel
PS ₂	Attach ring
PS ₃	4 intermediate rings
PS ₄	Aft structural ring
PS ₅	Aft separation motor fairing
PS ₆	Tiedown struts
PT ₂₂	Electrical line, VL78-000063, VL78-000062B, VC78-000002
PT ₂₃	L0 ₂ recirculation line, VL78-000063, VL78-000062B, 82600207000, VC78-000002
PT ₂₄	LH ₂ recirculation line, VL78-000063, VL78-000062B, 82600207000, VC78-000002
PT ₂₅	Electrical line, VL78-000063, VL78-000062B, 82600207000, VC78-000002
PT ₂₆	L0 ₂ pressure line, VL78-000063, VL78-000062B, 82600207000, VC78-000002
R ₅	Rudder, VL70-000095
S ₁₈	SRB with alternate skirt, VL70-000066
S ₂₁	SRB, VL77-000066, VC77-000002
T ₂₈	ET, VL78-000063, VL78-000062B, VC78-000002
V ₈	Vertical, VL70-000140A, VL70-000146A
W ₁₁₆	Wing, VL70-000140B, VL70-000200

CONFIGURATIONS INVESTIGATED (Concluded)

Shorthand notation used in Table II is as follows:

O₂ = B₂₆ C₉ E₄₄ F₁₀ M₁₆ N₂₈ R₅ V₈ W₁₁₆

O₃ = B₂₆ C₉ E₄₄ F₁₀ M₁₄ N₂₈ R₅ V₈ W₁₁₆

S₁ = AT₃₀ AT₃₁ N₈₆ S₂₁

S₂ = AT₃₀ AT₃₁ N₈₆ PS₂ S₂₁

S₃ = AT₃₀ AT₃₁ N₈₆ PS₂ PS₄ S₂₁

S₆ = AT₃₀ AT₃₁ N₈₆ PS₁ PS₂ PS₃ PS₄ PS₆ S₂₁

S₇ = AT₃₀ AT₃₁ N₈₆ PS₁ PS₂ PS₃ PS₄ PS₅ PS₆ S₂₁

S₈ = AT₃₀ AT₃₁ N₈₆ PS₁ PS₂ PS₃ PS₄ PS₅ PS₆ S₁₈

T₁ = AT₂₈ AT₃₂ FL₁₀ FL₁₁ T₂₈

T₂ = AT₂₈ AT₃₂ FL₁₀ FL₁₁ FR₁₀ PT₂₃ PT₂₄ PT₂₆ T₂₈

T₄ = AT₂₈ AT₂₉ AT₃₂ FL₁₀ FL₁₁ PS₁ PS₂ PS₃ PS₄ PS₅ PS₆ PT₂₂

PT₂₃ PT₂₄ PT₂₅ PT₂₆ T₂₈

TEST FACILITY DESCRIPTION

NASA/Langley Research Center 8-Foot Transonic Pressure Tunnel is an air-medium facility capable of attaining continuously variable Mach numbers from 0.20 to 1.30. It is a single return, closed circuit tunnel having controlled stagnation temperature, total pressure, and dew point temperature. The test section is 7.1 feet square. Reynolds numbers are variable from $0.30 \times 10^6/\text{foot}$ to $7.0 \times 10^6/\text{foot}$, depending on Mach number and tunnel total-pressure limitations. Models are supported in the test section by a sting-sector system, but wall mounting is possible. Schlieren photography is available for flow and shock-wave studies.

DATA REDUCTION

The aerodynamic force and moment data were measured by the NASA/LRC 839 A internal strain gage balance. The data were adjusted for tunnel corrections, sting and balance deflections, and model weight tares. Base pressure adjustments were made as follows:

$$C_{N_{b0}} = - C_{p_{b0}} \frac{A_{b0}}{S} \tan i_{b0}$$

$$C_{N_{bf}} = - C_{p_{bf}} \frac{A_{bf}}{S}$$

$$C_{m_{b0}} = - C_{N_{b0}} \left(\frac{1263}{1290.3} \right) + C_{A_{b0}} \left(\frac{336.5}{1290.3} \right)$$

$$C_{m_{bf}} = - C_{N_{bf}} \left(\frac{1339.7}{1290.3} \right)$$

$$C_{A_{b0}} = - C_{p_{b0}} \frac{A_{b0}}{S} - C_{p_{OMS/ACPS}} \left(\frac{A_{bOMS} + A_{bACPS}}{S} \right)$$

$$C_{A_{bET}} = - C_{p_{bET}} \frac{A_{bET}}{S}$$

$$C_{A_{bSRB}} = - C_{p_{bSRB}} \frac{A_{bSRB}}{S} - C_{p_{bSRBN}} \frac{A_{bSRBN}}{S}$$

$$C_{N_f} = C_N - C_{N_{b0}} - C_{N_{bf}}$$

$$C_{m_f} = C_m - C_{m_{b0}} - C_{m_{bf}}$$

$$C_{A_f} = C_A - C_{A_{b0}} - C_{A_{bET}} - C_{A_{bSRB}}$$

DATA REDUCTION (Continued)

where:

$C_{p_{b_o}}$ = Average Orbiter base pressure coefficient measured by base pressure orifices

$C_{p_{bf}}$ = Bodyflap base pressure coefficient obtained from figure 2e

$C_{p_{OMS}}$ = Average OMS base pressure coefficient measured by OMS base pressure orifices

$C_{p_{b_{ET}}}$ = Average external tank base pressure coefficient measured by ET base pressure orifices

$C_{p_{b_{SRB}}}$ = Average booster base pressure coefficient measured by SRB base pressure orifices

i_{b_o} = Orbiter base incidence angle, angle between Orbiter base and plane orthogonal to Orbiter FRL, 14.75 degrees

Wing root strain gage measurements were reduced to bending and torsional moment coefficients as follows:

$$C_{N_W} = \frac{(m_1 - m_2)}{qS (Y_{G_2} - Y_{G_1})}$$

$$x_{CP_W} = x_{G_3} - \left(\frac{m_3}{qS C_{N_W}} \right) - x_{nose}$$

$$y_{CP_W} = y_{G_1} + \left(\frac{m_1}{qS C_{N_W}} \right)$$

$$C_{B_W} = \frac{m_2}{qSb} + C_{N_W} \left(\frac{Y_{G_2} - Y_{WRC}}{b} \right)$$

$$C_{T_W} = \frac{m_3}{qS\bar{c}} - C_{N_W} \left(\frac{x_{G_3} - x_{WRC}}{\bar{c}} \right)$$

DATA REDUCTION (Continued)

where:

$m_1, m_2, \text{ and } m_3$ = measurements of gages 1, 2, and 3, respectively, in-lb

Y_{G_1}, Y_{G_2} = lateral location of gages 1 and 2, respectively, inches Y_0

Y_{WRC} = lateral location of wing reference center, inches Y_0

X_3 = longitudinal location of gage 3, inches X_0

X_{WRC} = longitudinal location of wing reference center, in. X_0

X_{nose} = longitudinal location of Orbiter nose, in. X_0

The following reference dimensions and constants were used:

<u>Symbol</u>	<u>Full Scale</u>	<u>Model Scale</u>
A_{bACPS}	19.1 ft ²	0.275 in ²
A_{bET}	597.6 ft ²	8.604 in ²
A_{bF}	142.6 ft ²	2.044 in ²
A_{bOMS}		
Configuration O ₂	42.2 ft ²	0.6075 in ²
Configuration O ₃	26.0 ft ²	0.3744 in ²
A_{bO}	314.1 ft ²	4.523 in ²
A_{bSRB}		
Configuration S ₁ thru S ₇	127.5 ft ²	1.836 in ²
Configuration S ₈	83.5 ft ²	1.203 in ²

DATA REDUCTION (Concluded)

A_{bSRBN}	Configuration	108.8 ft ²	1.567 in ²
	S ₁ thru S ₇		
	Configuration S ₈	117.4 ft ²	1.691 in ²
A_{CET}	_____		3.04 in ²
A_{CORB}	_____		2.404 in ²
b	936.68 in		9.367 in
\bar{c}	474.8 in		4.748 in
i_{b0}	14.75 deg.		14.75 deg.
l_b	1290.3 in.		12.90 in
MRP	976.0 in X _T		9.76 in X _T
	0.0 in Y _T		0.0 in Y _T
	400.0 in Z _T		4.00 in Z _T
S	2690.0 ft ²		38.736 in ²
X_{G3}	_____		14.40 in X ₀
Y_{G1}	_____		1.44 in Y ₀
Y_{G2}	_____		1.94 in Y ₀
X_{WRC}	1542.0 in X ₀		15.42 in X ₀
Y_{WRC}	106.0 in Y ₀		1.06 in Y ₀



TABLE II.

TEST: LARC 8' TPT 693 (IA 43)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: AUGUST, 1974

TEST RUN NUMBERS																	
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)						TEST RUN NUMBERS		
		α	β	δ_{E1}	δ_{E2}	δ_R	δ_{SB}		0.6	0.8	0.9	0.98	1.13	1.2			
01	T ₄ S ₇ O ₃	A	0	0	0	0	0	6	0.06	0.05	0.04	0.03	0.02	0.01			
02	T ₄ S ₈ O ₂							4	0.10		0.09		0.08	0.07			
03	T ₄ S ₆ O ₂							3	0.13		0.12		0.11				
04	T ₄ S ₃ O ₂							4	0.17		0.16		0.15	0.14			
05	T ₄ S ₂ O ₂							4	0.21		0.20		0.18	0.19			
06	T ₄ S ₇ O ₂	Y	Y					6	0.27	0.26	0.25	0.24	0.23	0.22			
07	Y	0	B					5	0.32		0.31	0.30	0.29	0.28			
08	T ₄ S ₁ O ₂	A	0					4	0.36		0.35		0.34	0.33			
09	T ₂ S ₇ O ₂			Y				3	0.39		0.38		0.37				
10	T ₄ S ₇ O ₂			8	Y			4		0.43	0.42	0.41	0.40				
11				8	4			4		0.47	0.46	0.45	0.44				
12				8	8			4		0.51	0.50	0.49	0.48				
13				4	8			4		0.55	0.54	0.53	0.52				
14				4	4			4		0.59	0.58	0.57	0.56				
15	Y		Y	4	0			4		0.63	0.62	0.61	0.60				
16	T ₄ S ₇ O ₂		5	0	0			5	0.68	0.67	0.66	0.65	0.64				
17	Y		-5					5	0.73	0.72	0.71	0.70	0.69				
18	T ₁ S ₇ O ₂	Y	0		Y	Y	Y	3	0.76	0.75	0.74						
1								37	43	49	55	61	67	75	76		
															MACH	ALPHA	
															IDVAR (1)	IDVAR (2)	NDV
															$\alpha A: +10^\circ \text{ to } -10^\circ \quad \Delta\alpha = 2^\circ$		
															$\beta B: +10^\circ \text{ to } -10^\circ \quad \Delta\beta = 2^\circ$		
															COEFFICIENTS		
															α OR β		
															SCHEDULES		

Note: See page 24 for dataset coefficient schedules.

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TABLE II. (Continued)

TEST: LARC 8 TPT 693 (IA43)										DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: AUGUST, 1974									
DATA SET IDENTIFIER		CONFIGURATION		SCHD.		CONTROL DEFLECTION				NO. OF RUNS		MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)																	
				α	β	δE_x	δE_y	δE_z	δR	$\delta \theta$	$\delta \phi$	0.6	0.8	0.9	0.98	1.13	1.2												
(1) HCO19		T ₄ S ₇		A	O	N/A	N/A	N/A	N/A	N/A	N/A	6	082	081	077	078	079	080											
20		T ₄		A	O							6	089	087	086	085	084	083											
21		T ₄		C	O							1	090																
22				C	O							1		091															
23				T								1			092														
24												1																	
25												1																	
26												1			095														
27												1		096															
28		T ₄										1	097																
29		O ₂ T ₄ S ₇		C	O	O	O	O	O	O	O	1	098																
30				T								1		099															
31												1			100														
32												1					101												
33												1				102													
34												1			103														
35												1		104															
(1) HCO36		O ₂ T ₄ S ₇										1	105																
Base pressure data were bad for tunnel run numbers 093-105. There are no A datasets corresponding to RHCC29-036.																													
1		7		13		19		25		31		37		43		49		55		61		67		75		76			
																						MACH		ALPHA					
																						IDVAR (1)		IDVAR (2)		NDV			
α OR β		SCHEDULES																											

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Note: See page 24 for dataset coefficient schedules.

TABLE II. (Concluded)

()* Dataset Coefficient Schedules:

RHC---Datasets: CN, CA, CLM, CY, CYN, CBL, CL, CD, L/D

AHC---Datasets:

O + T + S CNF, CLMF, CAF, CNBO, CNBF, CABO, CABET,
CABSRB, CLMBO, CLMBF

T + S CN, CLM, CA, CAF, CABET, CABSRB

T CN, CLM, CA, CAF, CABET

Note: There are no A data for datasets 029-036. Base
pressure data for tunnel runs 098-105 were bad.

RHCM--Datasets: CLWI, CLWC, CMWG, CNW, XCPW, CBW, CTW
(Datasets 02-16)

**CLWI, CLWO, CNW, YCPW, CBW
(Datasets 17, 18, 29-36)

**Note: Instrumentation problems resulted in no usable CMWG,
CTW or XCPW data for Datasets 17, 18, and 29-36.

TABLE III. - MODEL DIMENSIONAL DATA.

MODEL COMPONENT: ATTACH STRUCTURE - AT₂₈

GENERAL DESCRIPTION: Rear orbiter to ET attach structure (LH and RH), 2 members.

MODEL SCALE: 0.010

MODEL DRAWING NO.: _____

DRAWING NO.: VL78-000063, VL78-000062B

DIMENSIONS:	MEMBER		FULL SCALE	MODEL SCALE
	#1	X _O	<u>1317.0</u>	<u>13.17</u>
		Y _O	<u>- 96.50 (LH) - 96.50 (RH)</u>	<u>0.965</u>
		Z _O	<u>267.50</u>	<u>2.675</u>
		X _T	<u>2058.0</u>	<u>20.580</u>
		Y _T	<u>- 125.68 (LH) - 125.68 (RH)</u>	<u>1.257</u>
		Z _T	<u>515.5</u>	<u>5.155</u>
	#2	X _O	<u>1317.00</u>	<u>13.170</u>
		Y _O	<u>- 96.50 (LH) - 96.50 (RH)</u>	<u>9.650</u>
		Z _O	<u>267.50</u>	<u>2.675</u>
		X _T	<u>1872.0</u>	<u>18.720</u>
		Y _T	<u>- 125.68 (LH) - 125.68 (RH)</u>	<u>1.257</u>
		Z _T	<u>504.5</u>	<u>5.045</u>
Diameter, In.	#1		<u>11.5</u>	<u>0.115</u>
	#2		<u>15.5</u>	<u>0.155</u>

TABLE III (CONT'D)

MODEL COMPONENT: ATTACH STRUCTURE - AT 29

GENERAL DESCRIPTION: Right-hand umbilical fairing to ET cross member attach structure (1 member).

MODEL SCALE: 0.010

MODEL DRAWING NO.: _____

DRAWING NO.: VL78-000062B, Martin-Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Umbilical fairing attach point:	X _O	<u>1317.00</u>	<u>13.170</u>
	Y _O	<u>66.316</u>	<u>0.663</u>
	Z _O	<u>247.82</u>	<u>2.478</u>
	X _T	<u>2058.683</u>	<u>20.587</u>
	Y _T	<u>66.316</u>	<u>0.663</u>
	Z _T	<u>583.683</u>	<u>5.837</u>
ET attach point:	X _T	<u>2058.00</u>	<u>20.580</u>
	Y _T	<u>- 12.00</u>	<u>- 0.120</u>
	Z _T	<u>568.25</u>	<u>5.683</u>
	X _O	<u>1317.00</u>	<u>13.170</u>
	Y _O	<u>- 12.00</u>	<u>- 0.120</u>
	Z _O	<u>60.75</u>	<u>0.608</u>
Attach structure dia., in.		<u>4.5</u>	<u>0.045</u>

TABLE III (CONT'D)

MODEL COMPONENT: ATTACH STRUCTURE - .AT30

GENERAL DESCRIPTION: Forward .SRB to .ET attach structure (left-hand and right-hand).

MODEL SCALE: 0.010

DRAWING NO.: VL78-000066, Martin Marietta 826 00204300

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
ATTACH POINT	X_T	985.675	9.857
	Y_T	-172.50 (LH)	- 1.725
		172.50 (RH)	1.725
	Z_T	00	00
	X_S	442.675	4.427
	Y_S	80.00	0.800
	Z_S	00	00
	X_O	244.675	2.447
	Y_O	-184.5	- 1.845
		184.5	1.845
	Z_O	00	00

TABLE III (CONT'D)

MODEL COMPONENT: ATTACH STRUCTURE - AT₃₁

GENERAL DESCRIPTION: Rear ET to .SRB attach structure (LH and RH) (3 members)

MODEL SCALE: 0.010

MODEL DRAWING: _____

DRAWING NO.: VL78-000063, VL78-000062B, VL78-000066

DIMENSIONS:

<u>MEMBER</u>		<u>FULL SCALE</u>	<u>MODEL SCALE</u>	
#1	X _T	<u>2058.00</u>	<u>20.580</u>	
	Y _T	<u>- 171.50</u>	<u>- 1.715</u>	(LH)
		<u>171.50</u>	<u>1.715</u>	(RH)
	Z _T	<u>457.00</u>	<u>4.570</u>	
	X _S	<u>1511.00</u>	<u>15.110</u>	
	Y _S	<u>53.24</u>	<u>0.532</u>	
	Z _S	<u>57.00</u>	<u>0.570</u>	
#2	X _T	<u>2058.00</u>	<u>20.580</u>	
	Y _T	<u>- 163.85</u>	<u>- 1.639</u>	
	Z _T	<u>449.81</u>	<u>4.498</u>	
	X _S	<u>1511.00</u>	<u>15.110</u>	
	Y _S	<u>76.56</u>	<u>0.766</u>	
	Z _S	<u>15.73</u>	<u>0.157</u>	
#3	X _T	<u>2058.00</u>	<u>20.580</u>	
	Y _T	<u>- 161.72</u>	<u>- 1.617</u>	
	Z _T	<u>343.00</u>	<u>3.430</u>	
	X _S	<u>1511.00</u>	<u>15.11</u>	
	Y _S	<u>53.24</u>	<u>0.532</u>	
	Z _S	<u>- 57.00</u>	<u>- 0.570</u>	

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TABLE III (CONT'D)

MODEL COMPONENT: ATTACH STRUCTURE - AT32

GENERAL DESCRIPTION: Forward orbiter/ET attach structure (2 member structure)

MODEL SCALE: 0.010

MODEL DRAWING NO.: _____

DRAWING NO.: VL78-000062B, Martin Marietta 8260020914

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Member #1	X_O	<u>388.15</u>	<u>3.882</u>
	Y_O	<u>0</u>	<u>0</u>
	Z_O	<u>LWR ML</u>	<u>LWR ML</u>
Attach point on Orbiter ($Z_T = 614$)	X_T	<u>1129.9</u>	<u>11.299</u>
	Y_T	<u>46.50</u>	<u>0.465</u>
	Z_T	<u>562.58</u>	<u>5.626</u>
Member #2	X_T	<u>388.15</u>	<u>3.882</u>
	Y_T	<u>0</u>	<u>0</u>
	Z_T	<u>LWR ML</u>	<u>LWR ML</u>
	X_O	<u>1129.9</u>	<u>11.299</u>
	Y_O	<u>- 46.50</u>	<u>- 0.465</u>
	Z_O	<u>562.58</u>	<u>5.626</u>
	Attach structure dia., in.	<u>6.0</u>	<u>0.060</u>

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TABLE III (CONT'D)

MODEL COMPONENT : BODY - B₂₆GENERAL DESCRIPTION : Configuration 140A/B orbiter fuselage

NOTE: B₂₆ is identical to B₂₄ except underside of fuselage has been
refaired to accept W₁₁₆.

MODEL SCALE: 0.010 MODEL DRAWING: SS-A00147, RELEASE 12DRAWING NUMBER : VL70-000143B, -000200, -000205, -006089, -000145,
-000140A, -000140B

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (IML: Fwd Sta. X ₀ =238), In.	1290.3	12.903
Length (OML: Fwd Sta. X ₀ =235), In.	<u>1293.3</u>	<u>12.933</u>
Max Width (@ X ₀ = 1528.3), In.	<u>264.0</u>	<u>2.640</u>
Max Depth (@ X ₀ = 1464), In.	<u>250.0</u>	<u>2.500</u>
Fineness Ratio	<u>0.26357</u>	<u>0.26357</u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional	<u>340.88</u>	<u>0.0341</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III (CONT'D)

MODEL COMPONENT : CANOPY - C₉

GENERAL DESCRIPTION : Configuration 3A. Canopy used with fuselage
B26.

MODEL SCALE: 0.010

MODEL DRAWING: SS-A00147, Rel. 12

DRAWING NUMBER : VI70-000143A

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length ($X_0 = 434.643$ to 578)	<u>143.357</u>	<u>1.434</u>
Max Width (@ $X_0 = 513.127$)	<u>152.412</u>	<u>1.524</u>
Max Depth (@ $X_0 = 485.0$)	<u>25.000</u>	<u>0.250</u>
Fineness Ratio	<u> </u>	<u> </u>
Area	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III (CONT'D)

MODEL COMPONENT: ELEVON - E₂₆

GENERAL DESCRIPTION: 6.0 In. F.S. gaps machined into E₂₆ elevon. Flipper
doors, centerbody pieces, and tipseals are not simulated. (Data are
for one side.)

MODEL SCALE: 0.010

DRAWING NUMBER: Not available.

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area- ft ²	<u>210.0</u>	<u>0.021</u>
Span (equivalent), In.	<u>349.2</u>	<u>3.492</u>
Inb'd equivalent chord, In.	<u>118.0</u>	<u>1.180</u>
Outb'd equivalent chord, In.	<u>55.19</u>	<u>0.552</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
At Outb'd equiv. chord	<u>0.4004</u>	<u>0.4004</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Trailing Edge	<u>- 10.056</u>	<u>-10.056</u>
Hingeline (Product of Area & \bar{c})	<u>0.00</u>	<u>0.00</u>
Area Moment (Normal to hinge line), ft ³	<u>1587.25</u>	<u>0.00159</u>
Mean Aerodynamic Chord, In.	<u>90.7</u>	<u>0.907</u>

TABLE III (CONT'D)

MODEL COMPONENT : BODY FLAP - F₁₀

GENERAL DESCRIPTION : Configuration 140C body flap. Hingeline
located at X₀ = 1532, Z₀ = 287.

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000140C, VL70-355114

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (X ₀ =1525.5 to 1613), In.	<u>87.50</u>	<u>0.875</u>
Max Width (@ L.E., X ₀ = 1525.5), In.	<u>256.00</u>	<u>2.560</u>
Max Depth (@ X ₀ = 1532), In.	<u>19.798</u>	<u>0.198</u>
Fineness Ratio	<u> </u>	<u> </u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional (@H.L.)	<u>35.196</u>	<u>0.0035</u>
Planform	<u>185.00</u>	<u>0.0135</u>
Wetted	<u> </u>	<u> </u>
Base (@ X ₀ = 1613)	<u>4.89</u>	<u>0.00049</u>

TABLE III (CONT'D)

MODEL COMPONENT: FEEDLINE - FL₁₀

GENERAL DESCRIPTION: LH₂ feedline on upper left-hand side of T₂₈.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, VL78-000062B

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	<u>2071.5</u>	<u>20.715</u>
	Y _T	<u>- 70.0</u>	<u>- 0.70</u>
	Z _T	<u>573.934</u>	<u>5.739</u>
Trailing edge at:	X _T	<u>2081.8</u>	<u>20.818</u>
	Y _T	<u>- 70.0</u>	<u>- 0.700</u>
	Z _T	<u>584.059</u>	<u>5.841</u>
Diameter of line (17.0 I.D.)		<u>18.160</u>	<u>0.182</u>

TABLE III (CONT'D)

MODEL COMPONENT: FEEDLINE - FL₁₁

GENERAL DESCRIPTION: LO₂ feedline on upper right-hand of T₂₈.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, VL78-000062B

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	<u>1000.667</u>	<u>10.007</u>
	Y _T	<u>70.00</u>	<u>0.700</u>
	Z _T	<u>150.519</u>	<u>1.505</u>
Trailing edge at:	X _T	<u>2071.5</u>	<u>20.715</u>
	Y _T	<u>70.000</u>	<u>0.700</u>
	Z _T	<u>573.934</u>	<u>5.739</u>
Diameter of line (17.0 I.D.)		<u>18.16 O.D.</u>	<u>0.182</u>

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TABLE III (CONT'D)

MODEL COMPONENT: FAIRING - FR₁₀

GENERAL DESCRIPTION: Umbilical door fairing between aft ET/orbiter
attach structure.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, -000062B, Martin-Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at	X _T	<u>2052.0</u>	<u>20.520</u>
Length		<u>193.00</u>	<u>1.930</u>
.Width		<u>15.00</u>	<u>0.150</u>

TABLE III (CONT'D)

MODEL COMPONENT : OMS POD - M₁₁

GENERAL DESCRIPTION : Preliminary IML version of short OMS pod
(First used on 0.015 scale model 36-0 for test No. 3A83).

MODEL SCALE: 0.010

DRAWING NUMBER: VI70-008457

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta. $X_0=1311$) In.	<u>254.0</u>	<u>2.540</u>
Max Width (@ $X_0 = 1511$) In.	<u>135.6</u>	<u>1.356</u>
Max Depth (@ $X_0 = 1511$) In.	<u>73.6</u>	<u>0.736</u>
Fineness Ratio	<u>2.541</u>	<u>2.541</u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional	<u>54.507</u>	<u>0.00545</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III (CONT'D)

MODEL COMPONENT : OMS POD - M₁₆

GENERAL DESCRIPTION : Configuration 140C - orbiter OMS Pod -
short pod.

MODEL SCALE: 0.010

DRAWING NUMBER: VI 70-008401. -008410

DIMENSIONS :

	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta $X_o = 1310.5$)	<u>258.50</u>	<u>2.585</u>
Max Width (@ $X_o = 1511$), In.	<u>136.8</u>	<u>1.368</u>
Max Depth (@ $X_o = 1511$), In.	<u>74.70</u>	<u>0.747</u>
Fineness Ratio	<u>2.484</u>	<u>2.484</u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional	<u>58.864</u>	<u>0.00589</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III (CONT'D)

MODEL COMPONENT: OMS NOZZLES - N 28GENERAL DESCRIPTION: Configuration 140A/B Orbiter OMS Nozzles.MODEL SCALE: 0.010DRAWING NUMBER: VL70-000140A(Location), SS-A00106, Rel. 5 (Contour)

DIMENSIONS:

FULL SCALEMODEL SCALE

MACH NO.

Length - In.

Gimbal Point to Exit Plane
Throat to Exit Plane

Diameter - In.

Exit
Throat
InletArea - ft²Exit
ThroatGimbal Point (Station) - In.
Left ~~Upper~~ NozzleX₀
Y₀
Z₀

±	<u>1518.0</u>	±	<u>15.180</u>
	<u>88.0</u>		<u>0.880</u>
	<u>492.0</u>		<u>4.920</u>

Right

~~Upper~~ NozzlesX₀
Y₀
Z₀

<u>1518.00</u>	<u>15.180</u>
<u>88.0</u>	<u>0.880</u>
<u>492.0</u>	<u>4.920</u>

Null Position - Deg.

Left ~~Upper~~ Nozzle (OUTB'D)
Pitch (Pitch 15°49'; Yaw 12°17'
Yaw

PITCH

YAW

+ 8

13°17' OUTBOARD
2°30' INBOARDRight ~~Upper~~ NozzlePitch
YawNull: 15°49'
12°17' OUTB'D

+ 8

+ 8

13°17' OUTB'D
2°17' INB'D
13°17' OUTB'D
2°17' INB'D

TABLE III (CONT'D)

MODEL COMPONENT: BSRM NOZZLE - N86

GENERAL DESCRIPTION: Booster solid rocket motor nozzles.

MODEL SCALE: 0.010

DRAWING NO.: VL70-000066

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Diameter, D_{ex} - In. (I.D.)	<u>144.29</u>	<u>1.443</u>
Diameter D_{ex} - In. (O.D.)	<u>146.79</u>	<u>1.468</u>
Diameter D_T - In.	<u> </u>	<u> </u>
Diameter $D_{in.}$ - In.	<u> </u>	<u> </u>
Area - Ft^2		
Max. Cross-sectional (I.D.)	<u>113.553</u>	<u>1.136</u>
Gimbal Origin:		
Left Nozzle		
X_o	<u>1902.6</u>	<u>19.026</u>
Y_o	<u>- 250.50</u>	<u>- 2.505</u>
Z_o	<u>400.0</u>	<u>4.000</u>
Right Nozzle		
X_o	<u>1902.6</u>	<u>19.026</u>
Y_o	<u>250.5</u>	<u>2.505</u>
Z_o	<u>400.0</u>	<u>4.000</u>
Null Position - Deg.		
Left nozzle gimbal	<u>± 8</u>	<u>± 8</u>
Right nozzle gimbal	<u>± 8</u>	<u>± 8</u>

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TABLE III (CONT'D)

MODEL COMPONENT: SRB PROTUBERANCE - PS₁

GENERAL DESCRIPTION: Electrical tunnel fairing on top of each SRB.

MODEL SCALE: 0.010

DRAWING NO.: None

DIMENSIONS (DATA FOR 1 OF 2):

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at X _B	<u>467.00</u>	<u>4.670</u>
Centerline of tunnel Y _B	<u>0</u>	<u>0</u>
Trailing edge at X _B	<u>1820.0</u>	<u>18.200</u>
Height	<u>3.00</u>	<u>0.030</u>
Width	<u>6.00</u>	<u>0.060</u>
Leading edge, deg.	<u>72</u>	<u>72</u>

TABLE III (CONT'D)

MODEL COMPONENT: SRB PROTUBERANCE - PS₂

GENERAL DESCRIPTION: SRB/ET attach ring

MODEL SCALE: 0.010

DRAWING NO.: VL77-000036A

DIMENSIONS (DATA FOR 1 OF 2)

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Centerline at X _T	<u>1515.0</u>	<u>15.150</u>
Width	<u>10.0</u>	<u>0.100</u>
Height	<u>10.0</u>	<u>0.100</u>

TABLE III (CONT'D)

MODEL COMPONENT: SRB PROTUBERANCE - PS₃

GENERAL DESCRIPTION: Separation rocket fairing on each SRB nozzle shroud located 30° inboard from top centerline.

MODEL SCALE: 0.010

DRAWING NO.: VL77-000036A

DIMENSIONS (DATA FOR 1 OF 2):

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at X _B	<u>1796.0</u>	<u>17.960</u>
Trailing edge at X _B	<u>1889.0</u>	<u>18.890</u>
Radial location is 30° inboard from top centerline.		

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TABLE III (CONT'D)

MODEL COMPONENT: SRB PROTUBERANCE - PS₄

GENERAL DESCRIPTION: AFT STRUCTURAL RING. Ring stiffener located at aft end of solid rocket booster.

MODEL SCALE: 0.010

DRAWING NO.: NONE

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Height, In.	<u>8.0</u>	<u>0.080</u>
Width, In.	<u>6.0</u>	<u>0.060</u>
Location of centerline, In. X _B	<u>1833.7</u>	<u>18.337</u>

TABLE III (CONT'D)

MODEL COMPONENT: SRB AFT SEPARATION MOTOR FAIRING - PS5

GENERAL DESCRIPTION: Fairing over aft separation motors on SRB.

Fairing covers four separation motors.

MODEL SCALE: 0.010

DRAWING NO.: SS-A01184

DIMENSIONS	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length	<u>278.0</u>	<u>2.78</u>
Max. thickness	<u>14.0</u>	<u>.14</u>
Depth		
from SRB mainbody	<u>49.838</u>	<u>.498</u>
from skirt	<u>19.0</u>	<u>.190</u>
Leading edge of fairing at X_s	<u>1547.2</u>	<u>15.472</u>
Leading edge sweep angle	<u>75°</u>	<u>75°</u>

TABLE III (CONT'D)

MODEL COMPONENT: TIEDOWN STRUTS - PS₆

GENERAL DESCRIPTION: 4 Tiedown struts on SRB skirt.

MODEL SCALE: 0.010

DRAWING NO.: SS-A01184

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length:	<u>64.0</u>	<u>.64</u>
Max. thickness	<u>14.0</u>	<u>.14</u>
Max. depth	<u>8.0</u>	<u>.08</u>
Leading edge of fairing at X _s	<u>1861.2</u>	<u>18.612</u>

TABLE III (CONT'D)

MODEL COMPONENT: ELECTRICAL LINE - PT22

GENERAL DESCRIPTION: Left-hand electrical conduit line on T28 .

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, -000062B

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	<u>1084.333</u>	<u>10.843</u>
	Y _T	<u>- 99.591</u>	<u>- 0.996</u>
	Z _T	<u>- 139.620</u>	<u>- 1.396</u>
Trailing edge at:	X _T	<u>2058.000</u>	<u>20.580</u>
	Y _T	<u>- 99.591</u>	<u>- 0.996</u>
	Z _T	<u>- 139.620</u>	<u>- 1.396</u>
Conduit size:		<u>2.0 x 6.0</u>	<u>0.020 x 0.060</u>
Centerline of line located radially at $\phi = 35.5^\circ$			

TABLE III (CONT'D)

MODEL COMPONENT: LO_2 RECIRCULATION LINE - PT₂₃

GENERAL DESCRIPTION: LO_2 recirculation line on right-hand upper side of T₂₈.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	<u>1040.667</u>	<u>10.407</u>
	Y _T	<u>94.169</u>	<u>0.942</u>
	Z _T	<u>540.934</u>	<u>5.409</u>
Trailing edge at:	X _T	<u>2062.920</u>	<u>20.629</u>
	Y _T	<u>70.00</u>	<u>0.700</u>
	Z _T	<u>573.934</u>	<u>5.739</u>
Diameter of line		<u>4.0</u>	<u>0.040</u>
Centerline of lines located radially			
at $\phi = 33^\circ 45'$			
(Right of TDC looking forward.)			

TABLE III (CONT'D)

MODEL COMPONENT: LH₂ RECIRCULATION LINE - PT₂₄

GENERAL DESCRIPTION: LH₂ recirculation line on T₂₈.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	<u>1040.667</u>	<u>10.407</u>
	Y _T	<u>- 94.169</u>	<u>- 0.942</u>
	Z _T	<u>540.934</u>	<u>5.409</u>
Trailing edge at:	X _T	<u>2062.920</u>	<u>20.629</u>
	Y _T	<u>- 70.000</u>	<u>- 0.700</u>
	Z _T	<u>573.934</u>	<u>5.739</u>
Diameter of line		<u>4.0</u>	<u></u>

Centerline of line located radially at $\phi = 33^{\circ}45'$.

(Left of TDL looking forward).

TABLE III (CONT'D)

MODEL COMPONENT: ELECTRICAL LINE - PT₂₅

GENERAL DESCRIPTION: Right-hand aft electrical conduit line on T₂₈ with LH₂ pressure sensor line and LO₂ vent valve actuator line.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	<u>1084.333</u>	<u>10.843</u>
	Y _T	<u>99.591</u>	<u>0.996</u>
	Z _T	<u>139.620</u>	<u>1.396</u>
Trailing edge at:	X _T	<u>2058.00</u>	<u>20.580</u>
	Y _T	<u>99.591</u>	<u>0.996</u>
	Z _T	<u>139.620</u>	<u>1.396</u>
Conduit size		<u>2.0 x 6.0</u>	<u>0.020 x 0.060</u>

Centerline of line located radially at $\theta = 35.5^\circ$

TABLE III (CONT'D)

MODEL COMPONENT: LO₂ PRESSURE LINE - PT₂₆

GENERAL DESCRIPTION: LO₂ pressure line on the T₂₈.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	<u>360.733</u>	<u>3.607</u>
	Y _T	<u>15.145</u>	<u>0.151</u>
	Z _T	<u>407.718</u>	<u>4.077</u>
Trailing edge at:	X _T	<u>2083.5</u>	<u>20.835</u>
	Y _T	<u>63.25</u>	<u>0.633</u>
	Z _T	<u>609.00</u>	<u>6.090</u>
Line diameter		<u>2.0</u>	<u>0.020</u>

Centerline of line located radially at $\phi = 27^\circ$

TABLE III (CONT'D)

MODEL COMPONENT: RUDDER - R₅

GENERAL DESCRIPTION: Configuration 140C orbiter rudder (identical to
configuration 140A/B rudder)

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000095, -000146B

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	<u>100.15</u>	<u>0.0010</u>
Span (equivalent), In.	<u>201.0</u>	<u>2.010</u>
Inb'd equivalent chord, In.	<u>91.585</u>	<u>0.916</u>
Outb'd equivalent chord, In.	<u>50.833</u>	<u>0.508</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u> </u>	<u> </u>
Tailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
(Product of Area and \bar{c})		
Area Moment (Normal to hinge line), Ft ³	<u>610.92</u>	<u>0.00061</u>
Mean Aerodynamic Chord, In.	<u>73.2</u>	<u>0.732</u>

TABLE III (CONT'D)

MODEL COMPONENT : BOOSTER SOLID ROCKET MOTOR - S_{1g}GENERAL DESCRIPTION : Configuration MCR500. Data for 1 of 2 sides.MODEL SCALE : 0.010DRAWING NUMBER : VL77-000066

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (Includes nozzle), In.	<u>1989.4</u>	<u>19.894</u>
Max Width (Tank Dia.), In.	<u>146.0</u>	<u>1.460</u>
Max Depth (Aft Shroud), In.	<u>192.0</u>	<u>1.920</u>
Fineness Ratio	<u>9.068</u>	<u>9.068</u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional	<u>201.062</u>	<u>0.0201</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>
W.P. of BSRM Centerline (Z_T), In.	<u>400.00</u>	<u>4.000</u>
PS of BSRM Nozzle (X_T), In.	<u>743.00</u>	<u>7.430</u>

TABLE III (CONT'D)

MODEL COMPONENT : BOOSTER SOLID ROCKET MOTOR - S21

GENERAL DESCRIPTION : _____

MODEL SCALE: 0.010

DRAWING NUMBER : VL72-000143D, VL77-000066

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (Includes nozzle), In.	<u>1789.40</u>	<u>17.894</u>
Max Width (Tank Dia., In.)	<u>146.0</u>	<u>1.460</u>
Max Depth (Aft shroud Dia.), In.	<u>192.0</u>	<u>1.920</u>
Fineness Ratio	<u>9.3198</u>	<u>9.3198</u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional	<u>201.062</u>	<u>0.0201</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>
WP of BSRM centerline (Z _T)	400.0	4.00
FS of BSRM nose (X _T)	743.0	7.430
BP of BSRM centerline (Y _T)	250.5	2.505

TABLE III (CONT'D)

MODEL COMPONENT : EXTERNAL TANK - T28

GENERAL DESCRIPTION : _____

MODEL SCALE: 0.010

DRAWING NUMBER : VL72-000143D, VL78-000063
(Dimensions are to tank structural OML, TPS not included)

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length, In.	<u>1844.275</u>	<u>18.443</u>
Max. Wet Dia., In.	<u>331.0</u>	<u>3.310</u>
Max Depth	<u> </u>	<u> </u>
Fineness Ratio	<u>5.687</u>	<u>5.687</u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional	<u>594.678</u>	<u>0.059</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III (CONT'D)

MODEL COMPONENT: VERTICAL - V₈GENERAL DESCRIPTION: Configuration 140A/B orbiter vertical tailMODEL SCALE: 0.010MODEL DRAWING: SS-A00148, Release 6DRAWING NUMBER: VL70-000146A

DIMENSIONS:

FULL SCALEMODEL SCALE

TOTAL DATA

Area (Theo) - Ft ²		
Planform	<u>413.253</u>	<u>0.041</u>
Span (Theo) - In.	<u>315.720</u>	<u>3.157</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>0.404</u>	<u>0.404</u>
Sweep-Back Angles, Degrees.		
Leading Edge	<u>45.000</u>	<u>45.000</u>
Trailing Edge	<u>26.2</u>	<u>26.2</u>
0.25 Element Line	<u>41.130</u>	<u>41.130</u>
Chords:		
Root (Theo) WP	<u>268.500</u>	<u>2.684</u>
Tip (Theo) WP	<u>108.470</u>	<u>1.085</u>
MAC	<u>199.808</u>	<u>1.998</u>
Fus. Sta. of .25 MAC	<u>1463.50</u>	<u>14.635</u>
W.P. of .25 MAC	<u>635.522</u>	<u>6.355</u>
B.L. of .25 MAC	<u>0.0</u>	<u>0.0</u>
Airfoil Section		
Leading Wedge Angle - Deg.	<u>10.00</u>	<u>10.0</u>
Trailing Wedge Angle - Deg.	<u>14.920</u>	<u>14.920</u>
Leading Edge Radius	<u>2.00</u>	<u>0.02</u>
Void Area	<u>13.17</u>	<u>0.0013</u>
Blanketed Area	<u>0.00</u>	<u>0.00</u>

TABLE III (CONL'D)

MODEL COMPONENT: WING-W₁₁₆GENERAL DESCRIPTION: Configuration 4NOTE: (Identical to Wing₁₁, except airfoil thickness. Dihedral angle is
along trailing edge of wing.)MODEL SCALE: 0.010

TEST NO.

DWG. NO. VL70-000140A, -000200DIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATAArea (Theo.) Ft^2

Planform

2690.0

0.2690

Span (Theo) In.

936.68

9.367

Aspect Ratio

2.265

2.265

Rate of Taper

1.177

1.177

Taper Ratio

0.200

0.200

Dihedral Angle, degrees

3.500

3.500

Incidence Angle, degrees

0.500

0.500

Aerodynamic Twist, degrees

3.000

3.000

Sweep Back Angles, degrees

45.000

45.000

Leading Edge

- 10.056

- 10.056

Trailing Edge

35.209

35.209

0.25 Element Line

Chords:

Root (Theo) B.P.O.O.

689.24

6.892

Tip, (Theo) B.P.

137.85

1.379

MAC

474.81

4.748

Fus. Sta. of .25 MAC

1136.83

11.368

W.P. of .25 MAC

290.58

2.906

B.L. of .25 MAC

182.13

1.821

EXPOSED DATAArea (Theo) Ft^2

1751.50

0.1752

Span, (Theo) In. BP108

720.68

7.207

Aspect Ratio

2.059

2.059

Taper Ratio

0.245

0.245

Chords

Root BP108

562.09

5.621

Tip 1.00 $\frac{b}{2}$

137.85

1.379

MAC

392.83

3.928

Fus. Sta. of .25 MAC

1185.98

11.860

W.P. of .25 MAC

294.30

2.943

B.L. of .25 MAC

251.77

2.518

Airfoil Section (Rockwell Mod NASA)

XXXX-64

Root $\frac{b}{2}$ =

0.113

0.113

Tip $\frac{b}{2}$ =

0.120

0.120

Data for (1) of (2) Sides

Leading Edge Cuff

113.18

0.011

Planform Area ft^2

500.00

5.000

Leading Edge Intersects Fus M. L. @ Sta

1024.00

10.240

Leading Edge Intersects Wing @ Sta

Notes

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

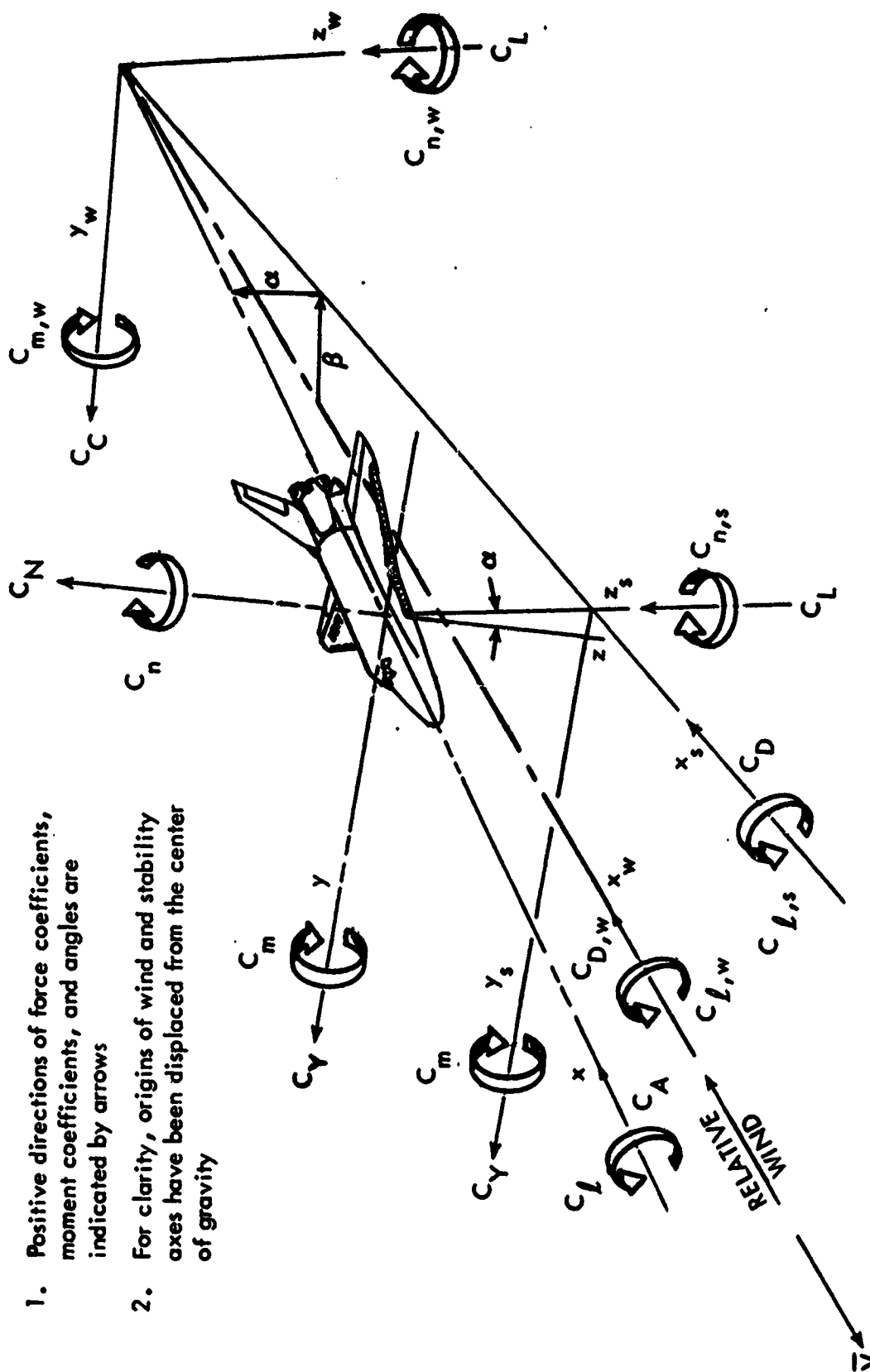
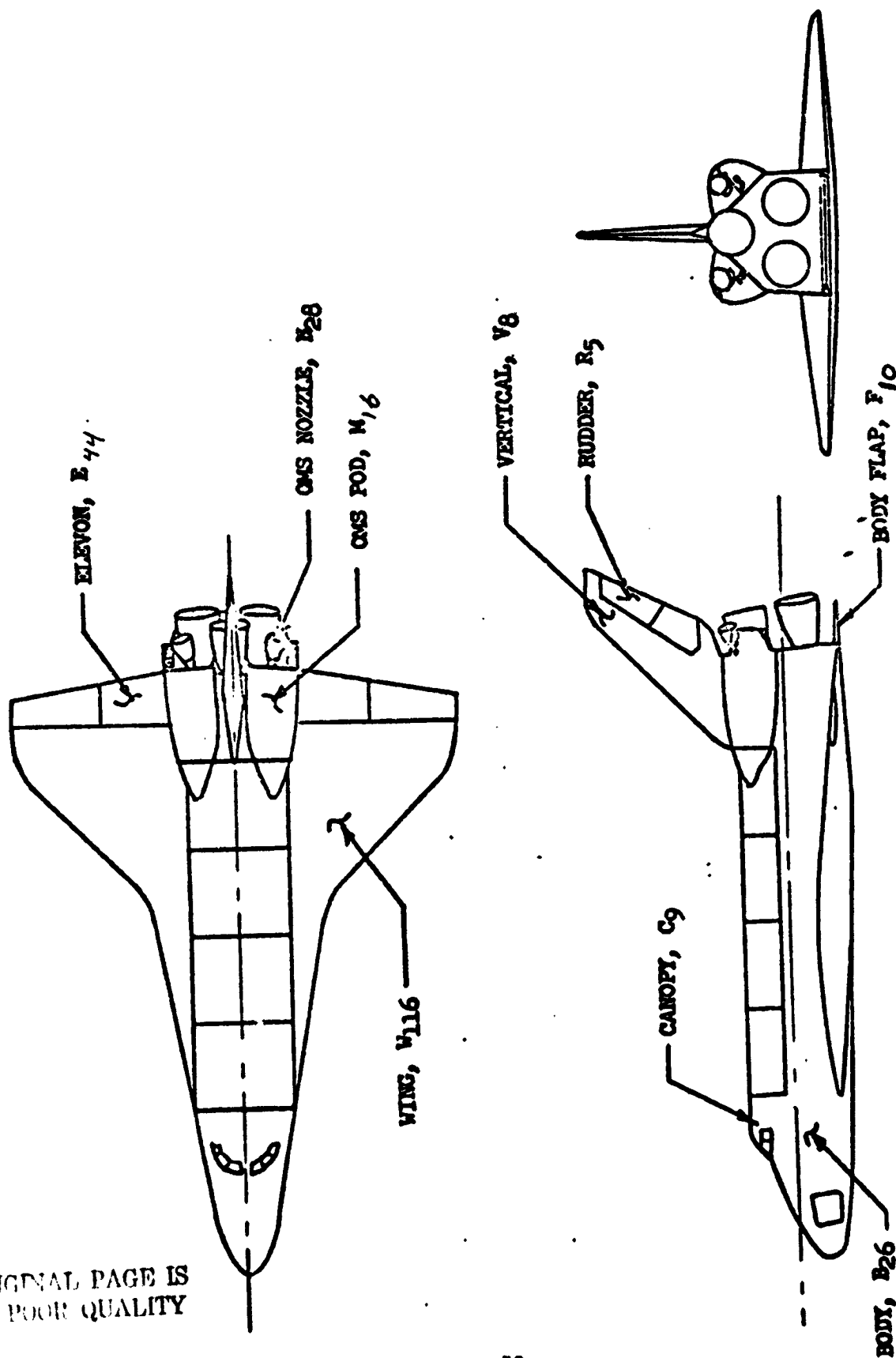


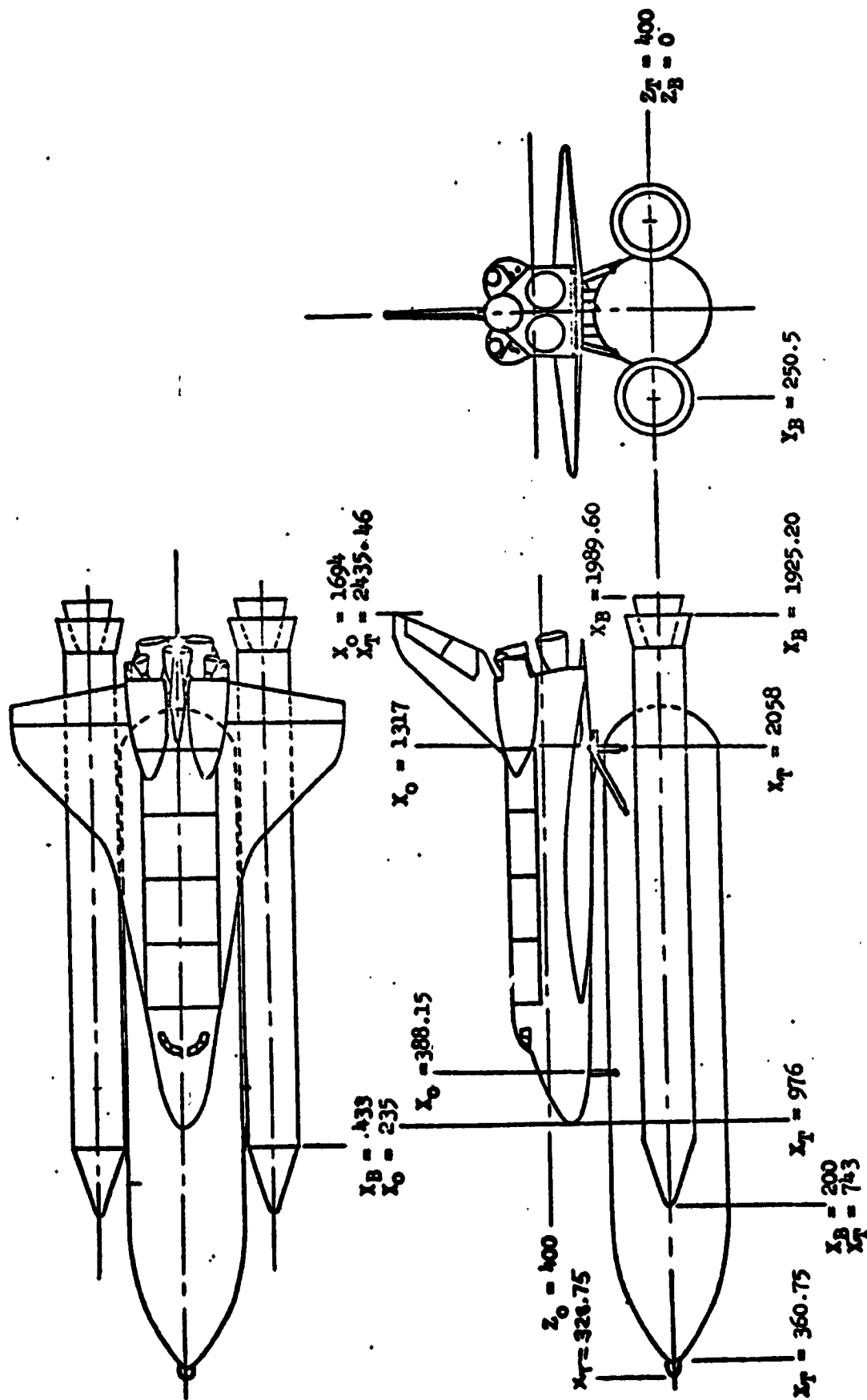
Figure 1. - Axis Systems.

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a. Orbiter Three View

Figure 2. - Model Sketches.

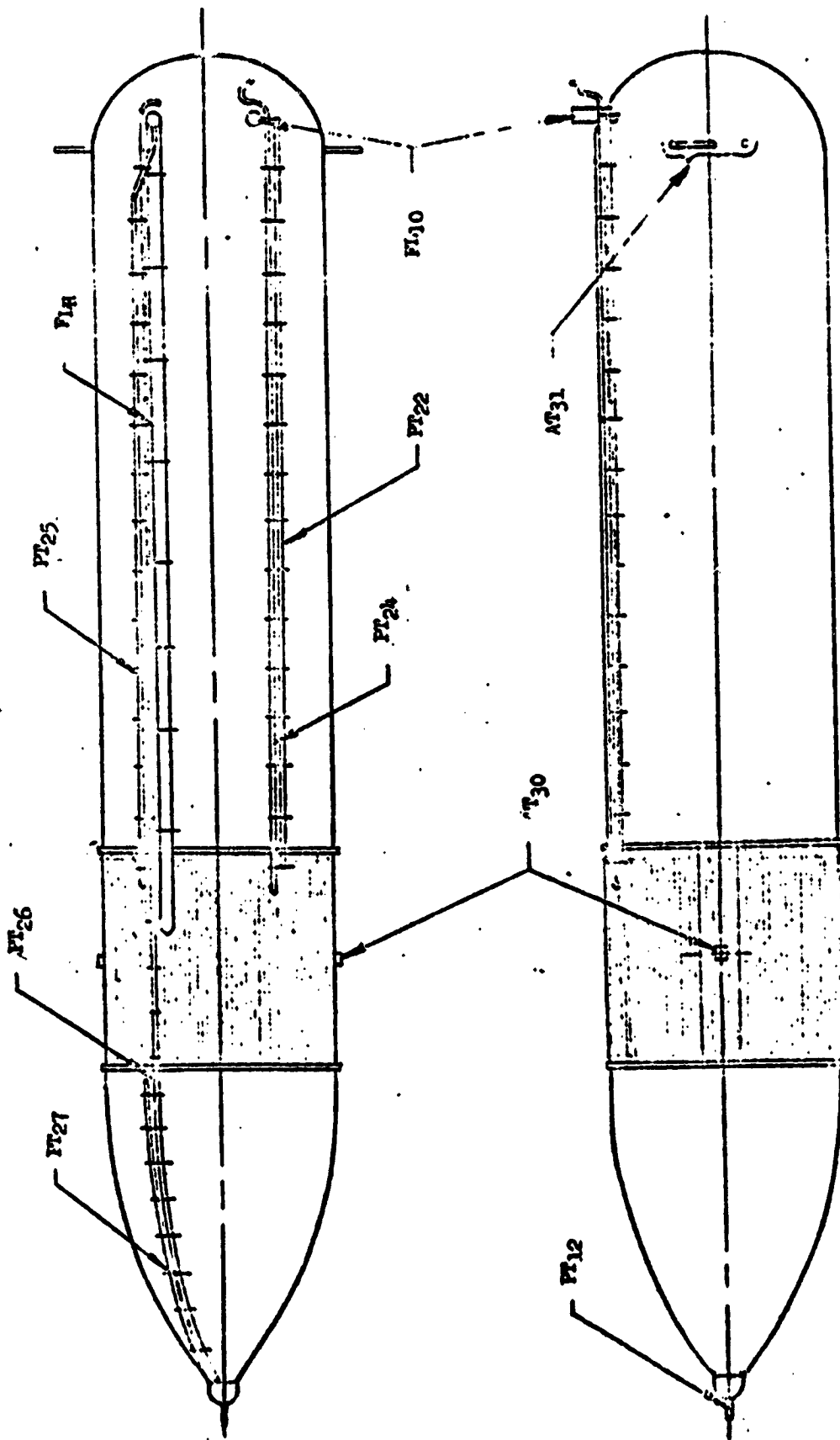


6C

b. Mated Vehicle

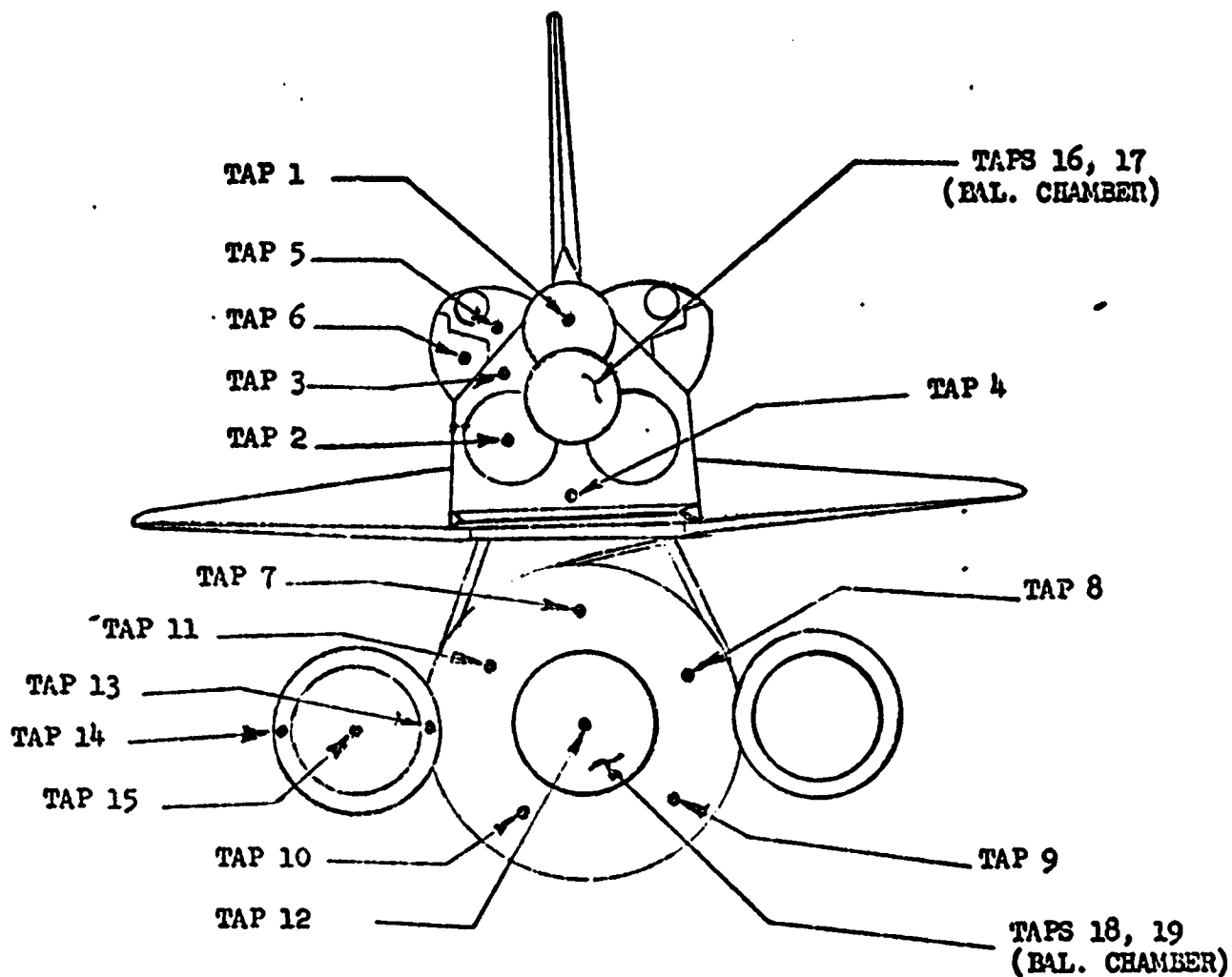
Figure 2. - Continued.





d. (T₂₈) External Tank Protuberances

Figure 2. - Continued.

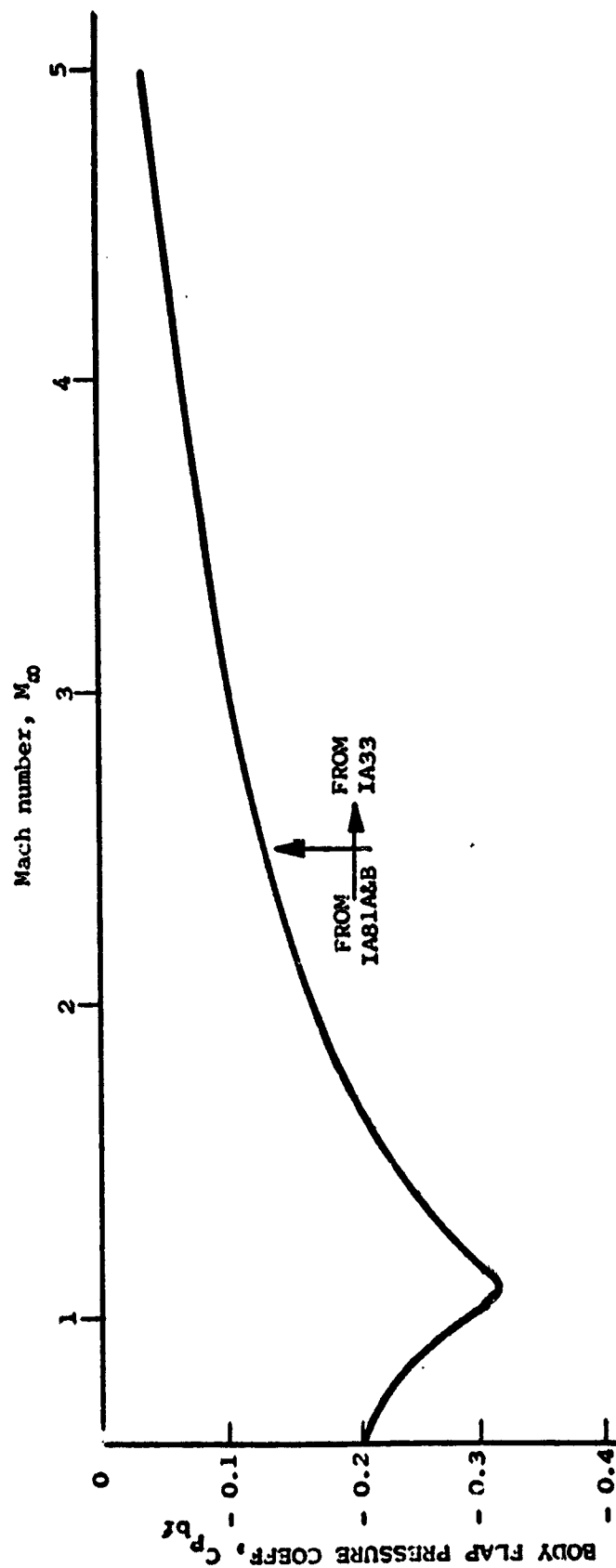


Location	Pressure Tap Numbers	Manifold Number (1)
ORB Base	1, 2, 3, 4	1 - 1
CMS base + ACPS Base	5, 6	2
MT Base	7, 8, 9, 10, 11, 12	3
SRB Base	13, 14	4
SREN Base	15	5
ORB Cavity	16, 17	6
MT Cavity	18, 19	7

e. Base Pressure Instrumentation

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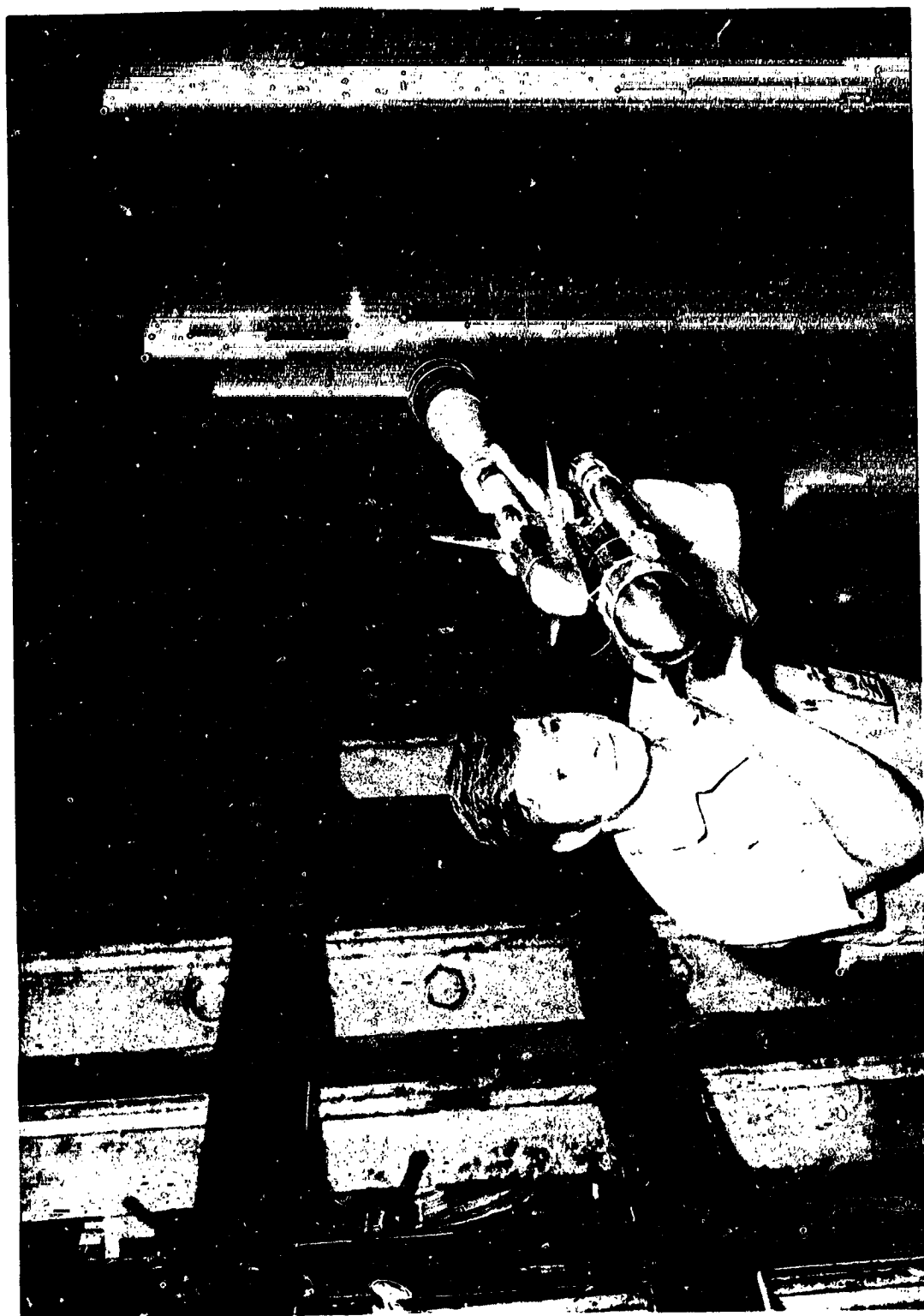
Figure 2. - Continued.



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f. Orbiter Body Flap Pressure Coefficients

Figure 2. - Concluded.



a. Front View

Figure 3. - Model installation photographs.



b. Rear view

Figure 3. - Concluded.

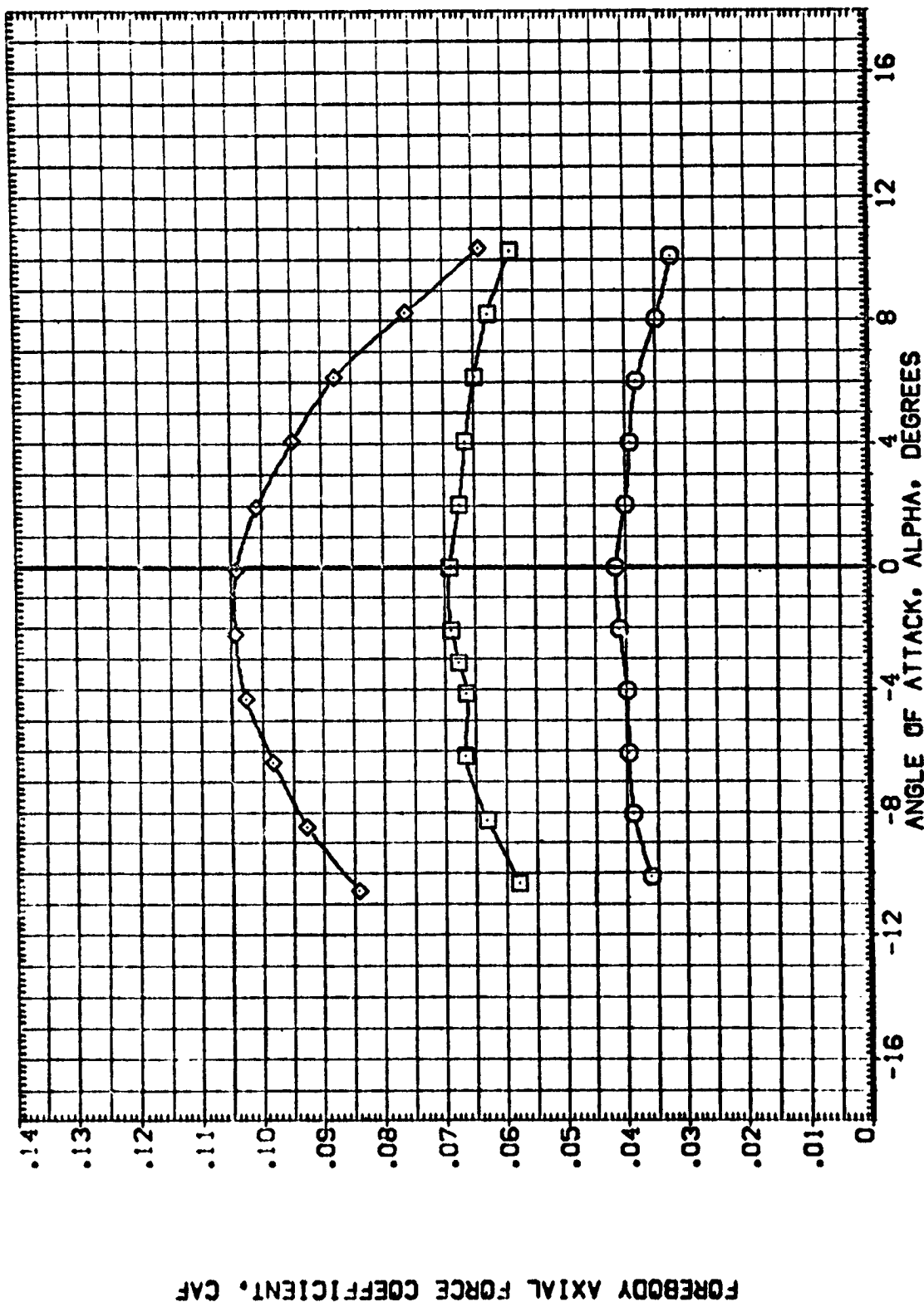
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DATA FIGURES

T4
T4/S7
02/T4/S7

ELV-L0	ELV-L1	ELV-R1	ELV-R0
.000	.000	.000	.000

REFERENCE INFORMATION		50 FT.	INCHES
SREF	2690.0000		
LREF	1290.3000		
BREF	1290.3000		
XTRP	376.0000	IN. XT	
YTRP	.0000	IN. YT	
ZTRP	400.0000	IN. ZT	
SCALE	.0100		



CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

$$\text{CASH} = .60$$

PAGE 1

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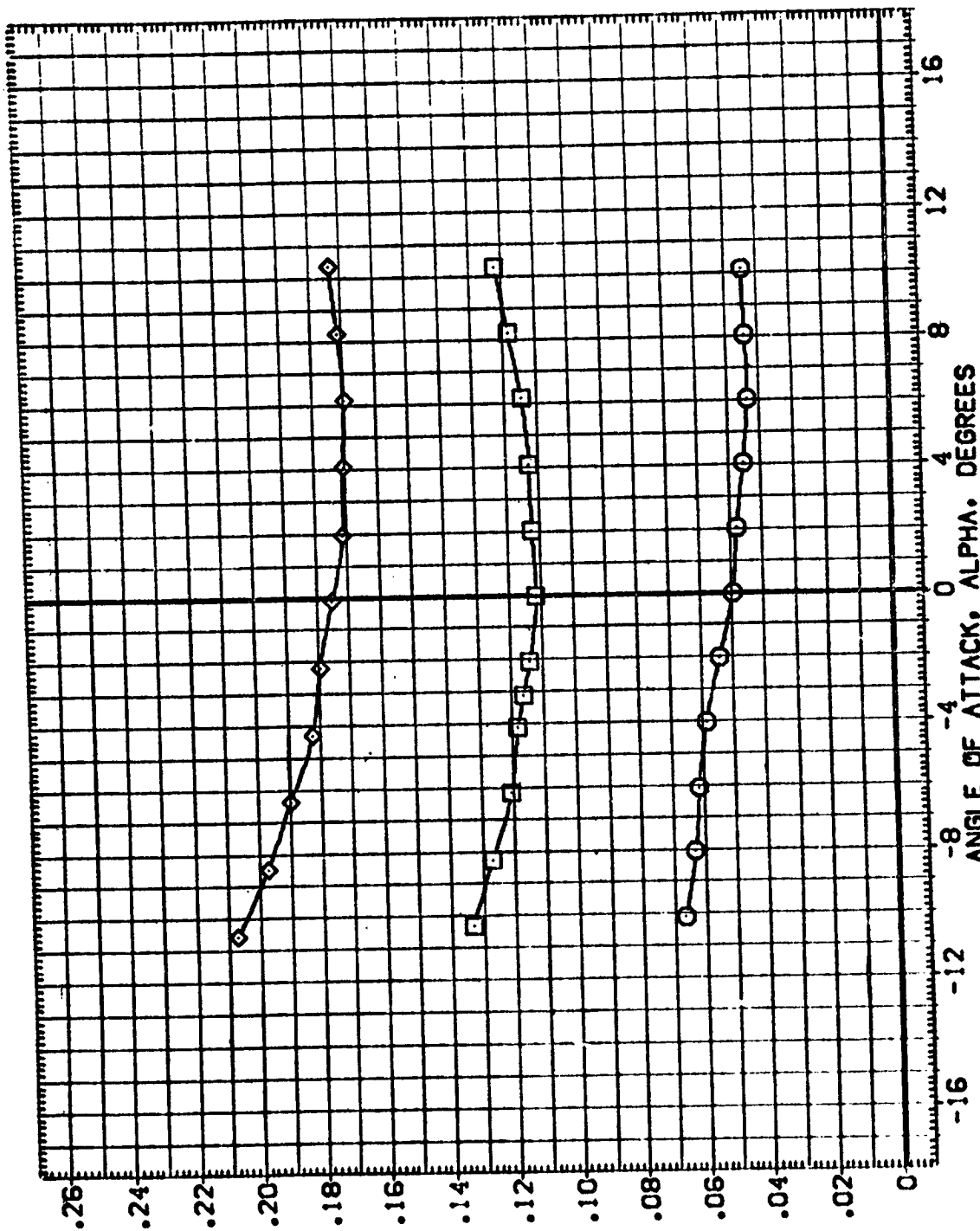
15

CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = .60

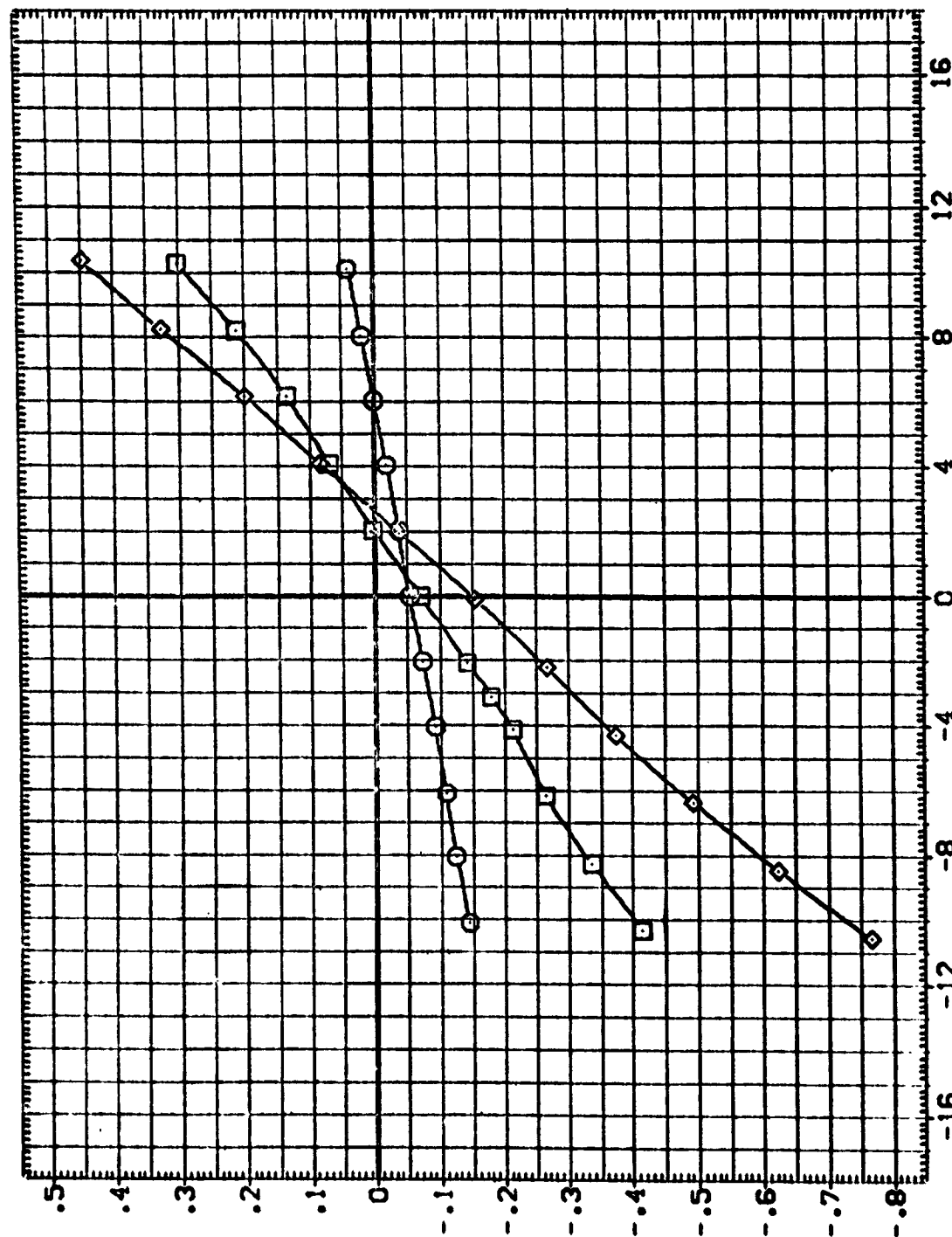
BASE AXIAL FORCE COEFFICIENT, CAB

DATA SET SYMBOL	CONF [GURATION DESCRIPTION	ELV-L0	ELV-L1	ELV-R1	ELV-R0	REFERENCE INFORMATION
[B-C020]	LARC 8-TPT-693 [1A13] CONF [GURATION					SREF 1330.0000 SQ.FT.
[B-C019]	LARC 8-TPT-693 [1A13] CONF [GURATION					LREF 1330.3000 INCHES
[B-C006]	LARC 8-TPT-693 [1A13] CONF [GURATION					BREF 930.3000 IN. XT
						YREF 976.0000 IN. YT
						ZREF 400.0000 IN. ZT
						SCALE .0100



DATA SET SYMBOL: [B-C020] [B-C019] [B-C006] CONFIGURATION DESCRIPTION: LARC 8-TPT-693 [1A43] CONF: LURATION 14 T4/S7 LARC 8-TPT-693 [1A43] CONF: LURATION 02/T4/S7 LARC 8-TPT-693 [1A43] CONF: LURATION 02/T4/S7

ELV-L0 ELV-L1 ELV-R1 ELV-R0 REFERENCE INFORMATION: SREF 2690.0000 SQ.FT. SREF 1290.3000 INO-ES SREF 1290.3000 INO-ES SREF 976.0000 IN. XT XPRP 400.0000 IN. YI YPRP 400.0000 IN. ZI SCALE .0100



FOREBODY NORMAL FORCE COEFFICIENT - CNF

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CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = .60

PAGE

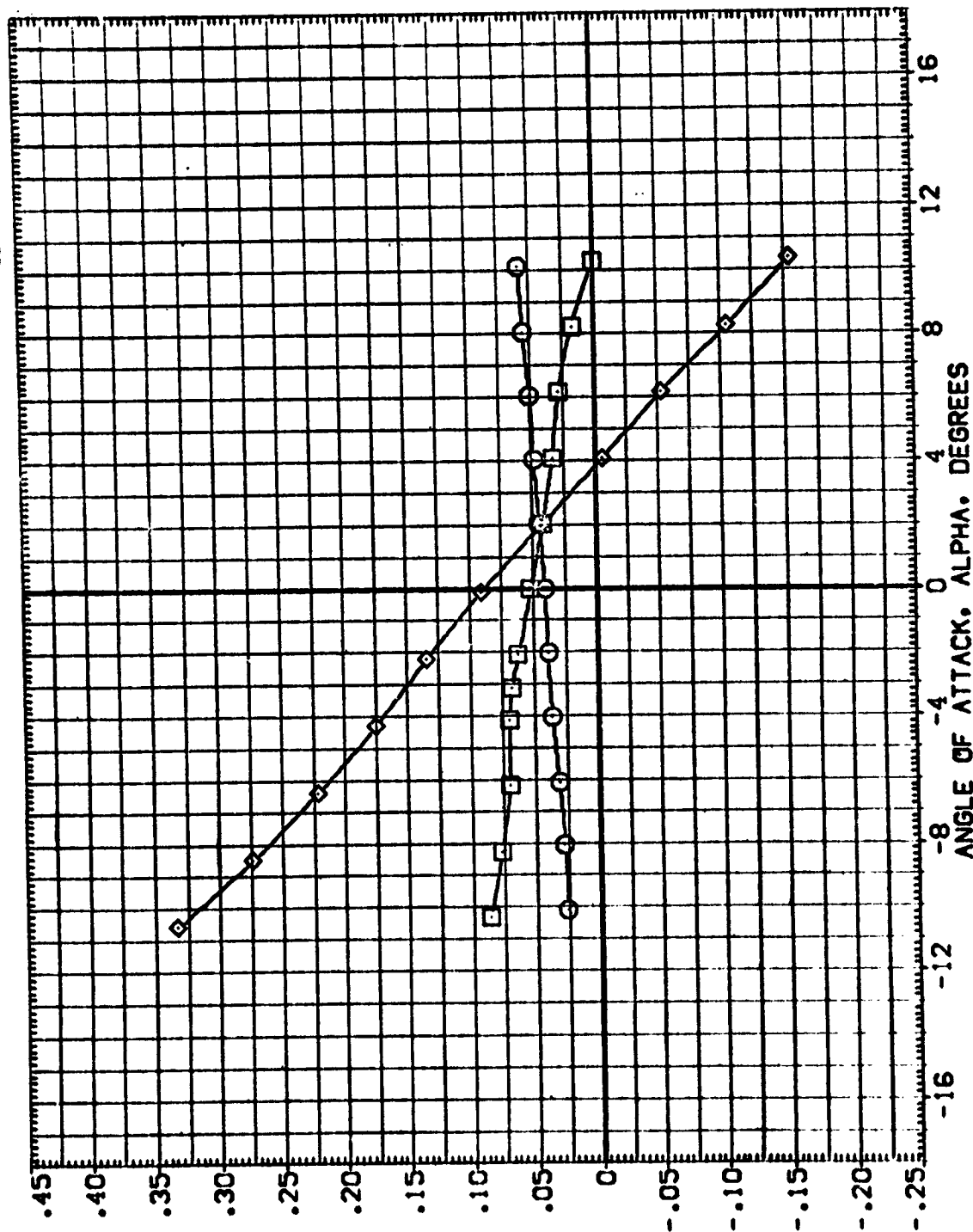
3

DATA SET SYMBOL CONFIGURATION DESCRIPTION T4
 B-C0270 LARC 8-TPT-693 [A43] CONFIGURATION 02/14/57
 B-C0119 LARC 8-TPT-693 [A43] CONFIGURATION 02/14/57
 B-C0006 LARC 8-TPT-693 [A43] CONFIGURATION 02/14/57

ELV-L0 ELV-L1 ELV-R1 ELV-R0
 .000 .000 .000 .000

REFERENCE INFORMATION:
 SREF 2650.0000 SQ.FT.
 LREF 1250.0000 INCHES
 BREF 1250.0000 INCHES
 XMRP 576.0000 IN. XT
 YMRP 400.0000 IN. YT
 ZMRP 400.0000 IN. ZT
 SCALE .0100

FOREBODY PITCHING MOMENT COEFFICIENT • CLMP

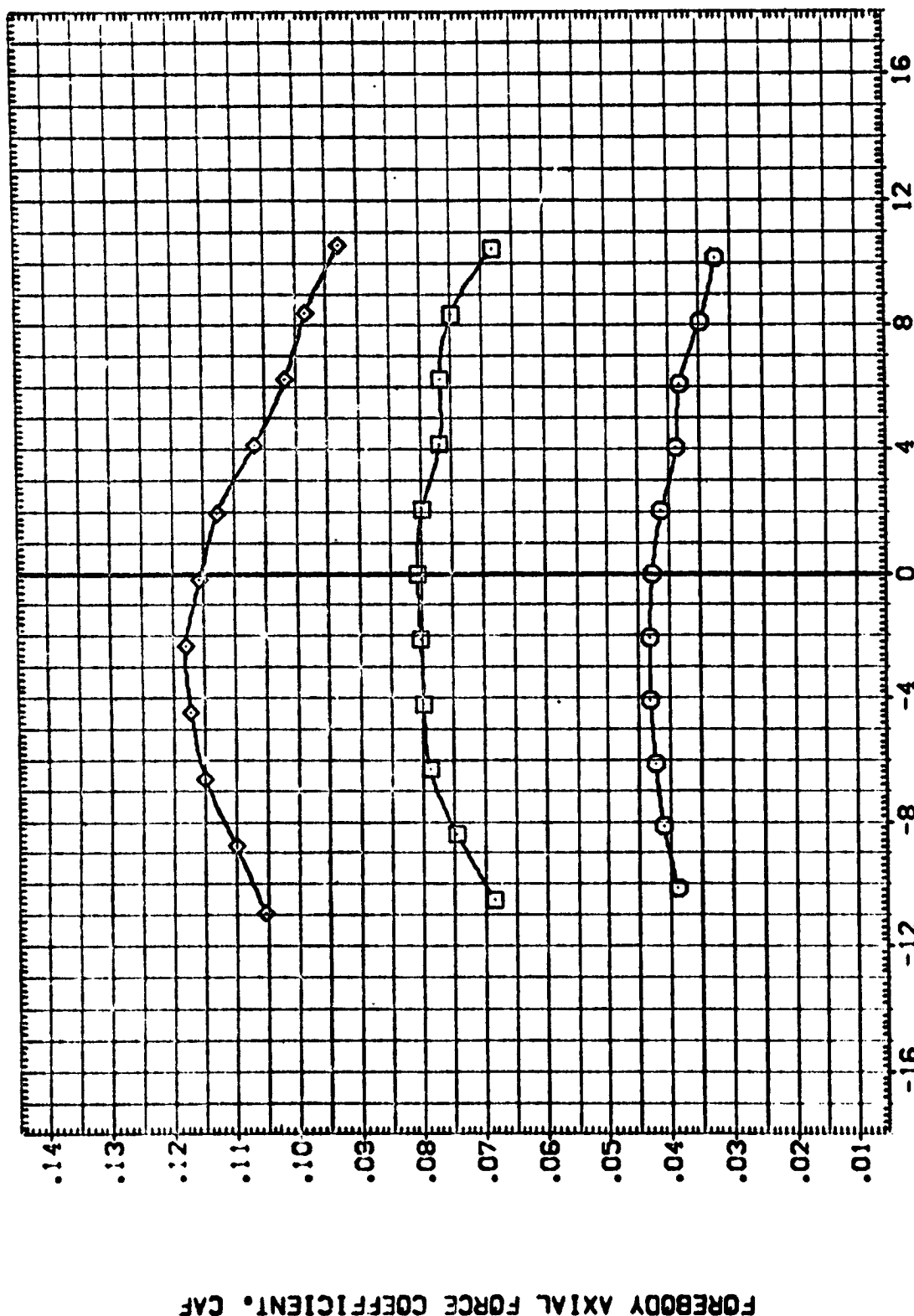


CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(A)MACH = .60

DATA SET SYMB. CONFIGURATION DESCRIPTION REFERENCE INFORMATION

DATA SET SYMB.	CONFIGURATION DESCRIPTION	ELV-L0	ELV-L1	ELV-R1	ELV-R0	REF	2650.0000	50 FT.
[B-C020]	LARC 8-TPT-693 [A13] CONF [GURATION					LREF	1250.3000	INCHES
[B-C019]	LARC 8-TPT-693 [A13] CONF [GURATION					BREF	1250.3000	IN. XT
[B-C006]	LARC 8-TPT-693 [A13] CONF [GURATION					XTRP	576.0000	IN. XT
						YTRP	400.0000	IN. XT
						ZTRP	400.0000	IN. XT
						SCALE	.0100	



ORIGINAL PAGE 1
OF FOUR QUALITY

CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

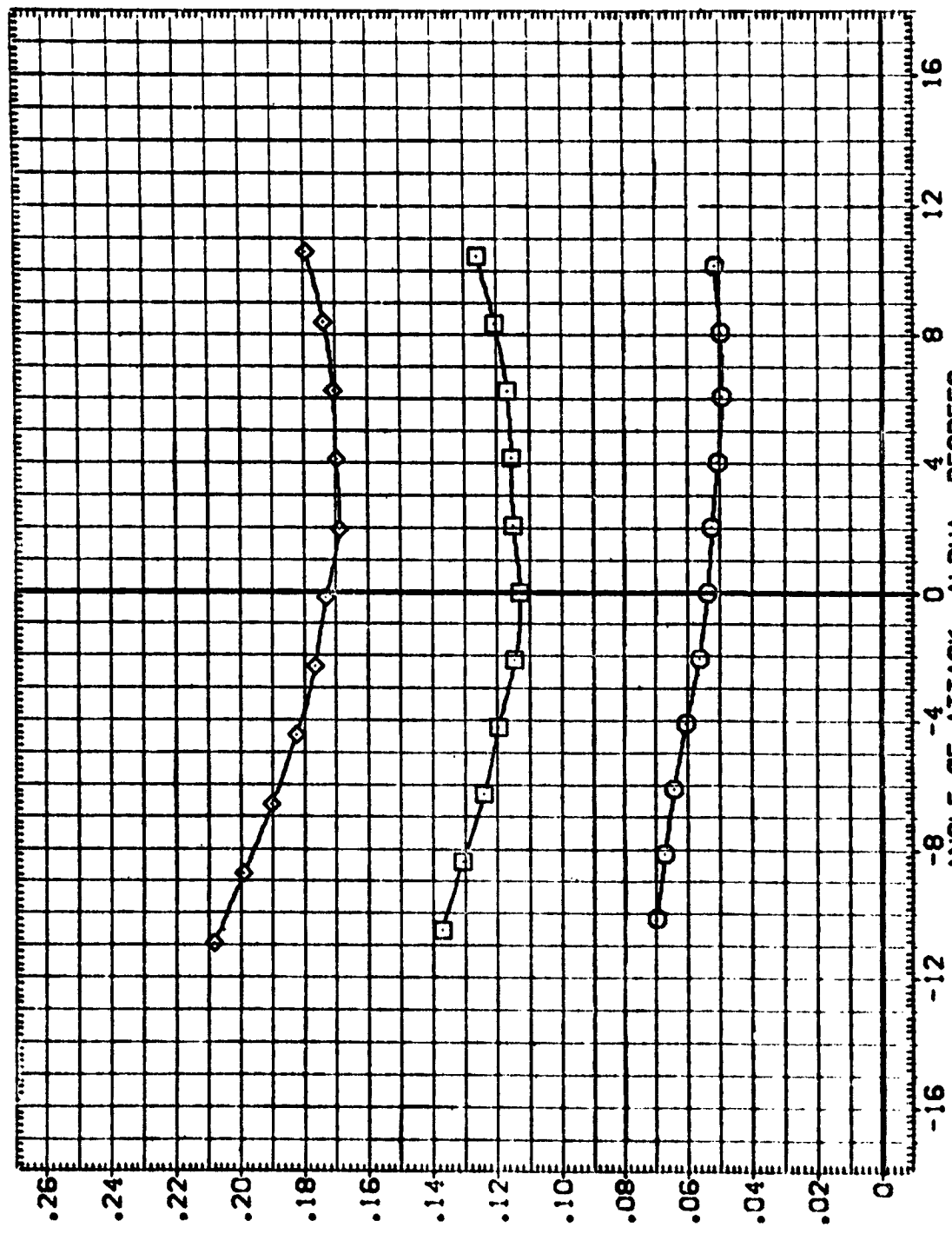
(B)MACH = .80

DATA SET SY-50L CONFIGURATION DESCRIPTION T4 T4/57
 9-0020 LARC 8-TPT-593 [1A13] CONF [GURAT] ON
 9-0019 LARC 8-TPT-593 [1A13] CONF [GURAT] ON
 9-0006 LARC 8-TPT-593 [1A13] CONF [GURAT] ON

ELV-LG ELV-LI ELV-RI ELV-RO
 .000 .000 .000 .000

REFERENCE INFORMATION
 SREF 2650.0000 SQ.FT.
 LREF 230.3000 IN.-ES
 BREF 30.3000 IN.-ES
 XMRP 576.0000 IN. XT
 YMRP 400.0000 IN. YT
 ZMRP 400.0000 IN. ZT
 SCALE .0100

BASE AXIAL FORCE COEFFICIENT, CAB



CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

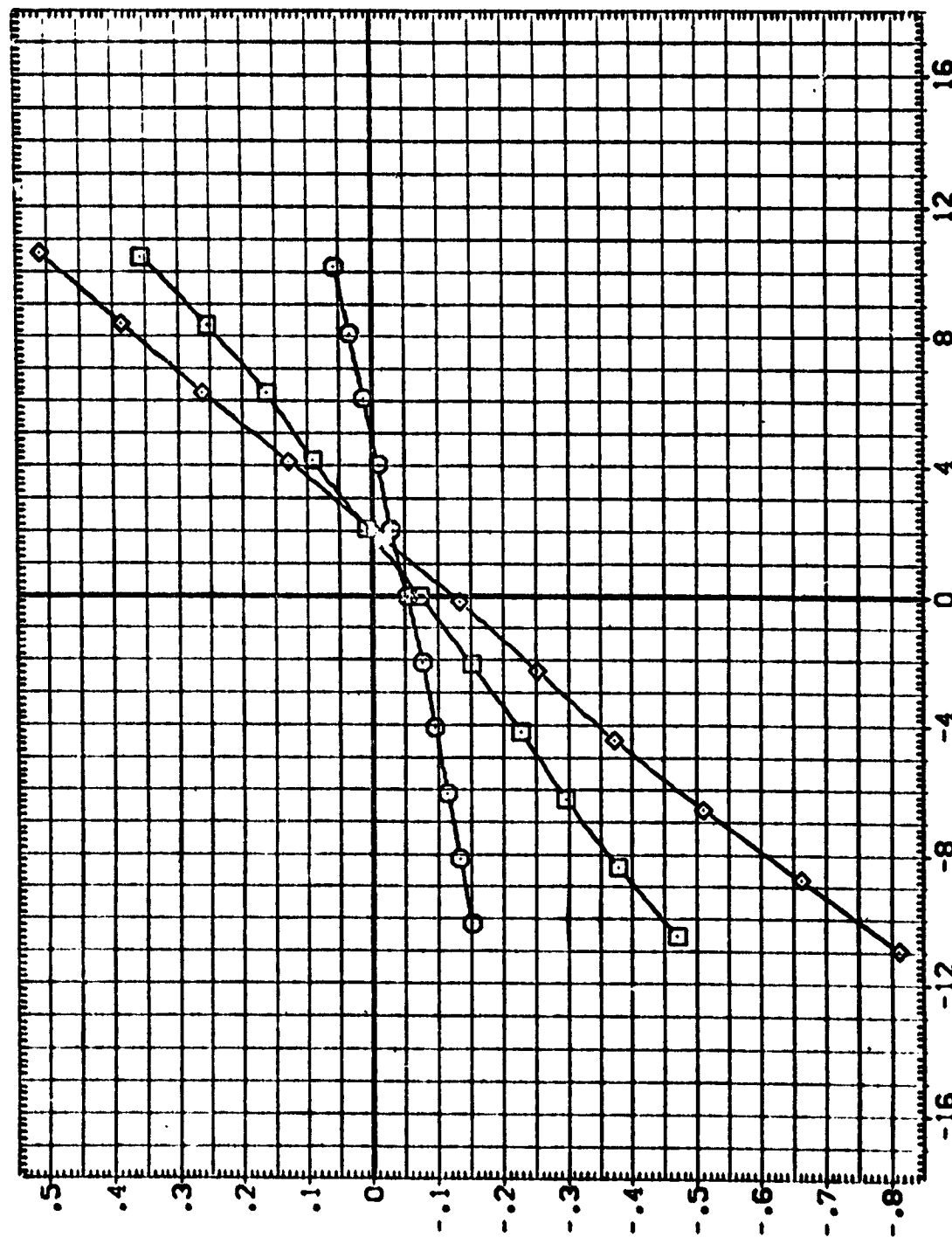
(B)MACH = .80



FOREBODY NORMAL FORCE COEFFICIENT, CNF

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DATA SET SYMBO	CONFIGURATION DESCRIPTION	ELV-L8	ELV-L1	ELV-R1	ELV-R8	REFERENCE INFORMATION
{B-C023}	LARC 8-TPT-853 (1A13) CONFIGURATION					REF 2690.0000 SQ.FT.
{B-C019}	LARC 8-TPT-853 (1A13) CONFIGURATION					REF 1250.3000 IN.-ES
{B-C006}	LARC 8-TPT-853 (1A13) CONFIGURATION					REF 1250.3000 IN.-ES
		.000	.000	.000	.000	YMRP 976.0000 IN. YF
						ZMRP 400.0000 IN. ZT
						SCALE .01C3



CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(B)MACH = .80

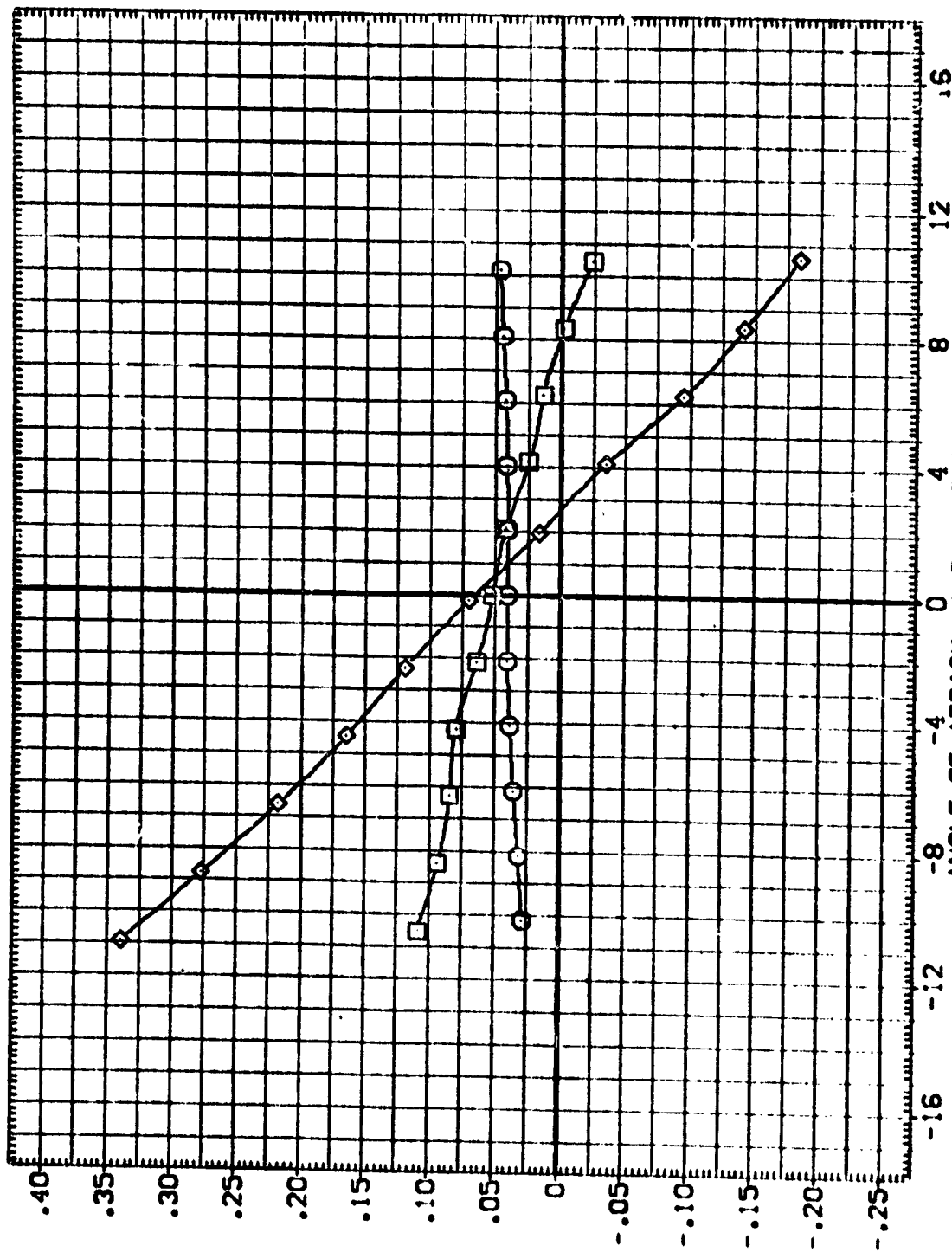
DATA SET SYMBOL: [B-C020]
 [B-C019]
 [B-C006]
 CONFIGURATION DESCRIPTION
 LARC 8-TPT-853 [1A43] CONF [GURATION]
 LARC 8-TPT-853 [1A43] CONF [GURATION]
 LARC 8-TPT-853 [1A43] CONF [GURATION]

T4
 14/57
 02/14/57

ELV-LO ELV-LI ELV-R ELV-RO
 .000 .000 .000 .000

REFERENCE INFORMATION
 SREF 2650.0000 SQ.FT.
 LREF 1250.3000 INCHES
 BREF 1250.3000 INCHES
 XPRP 976.0000 IN. XT
 YPRP 400.0000 IN. YT
 ZPRP 400.0000 IN. ZT
 SCALE .0100

FOREBODY PITCHING MOMENT COEFFICIENT • CLMP



CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(B)MACH = .80

DATA SET SYMBOL: (B-C020) (B-C019) (B-C006)

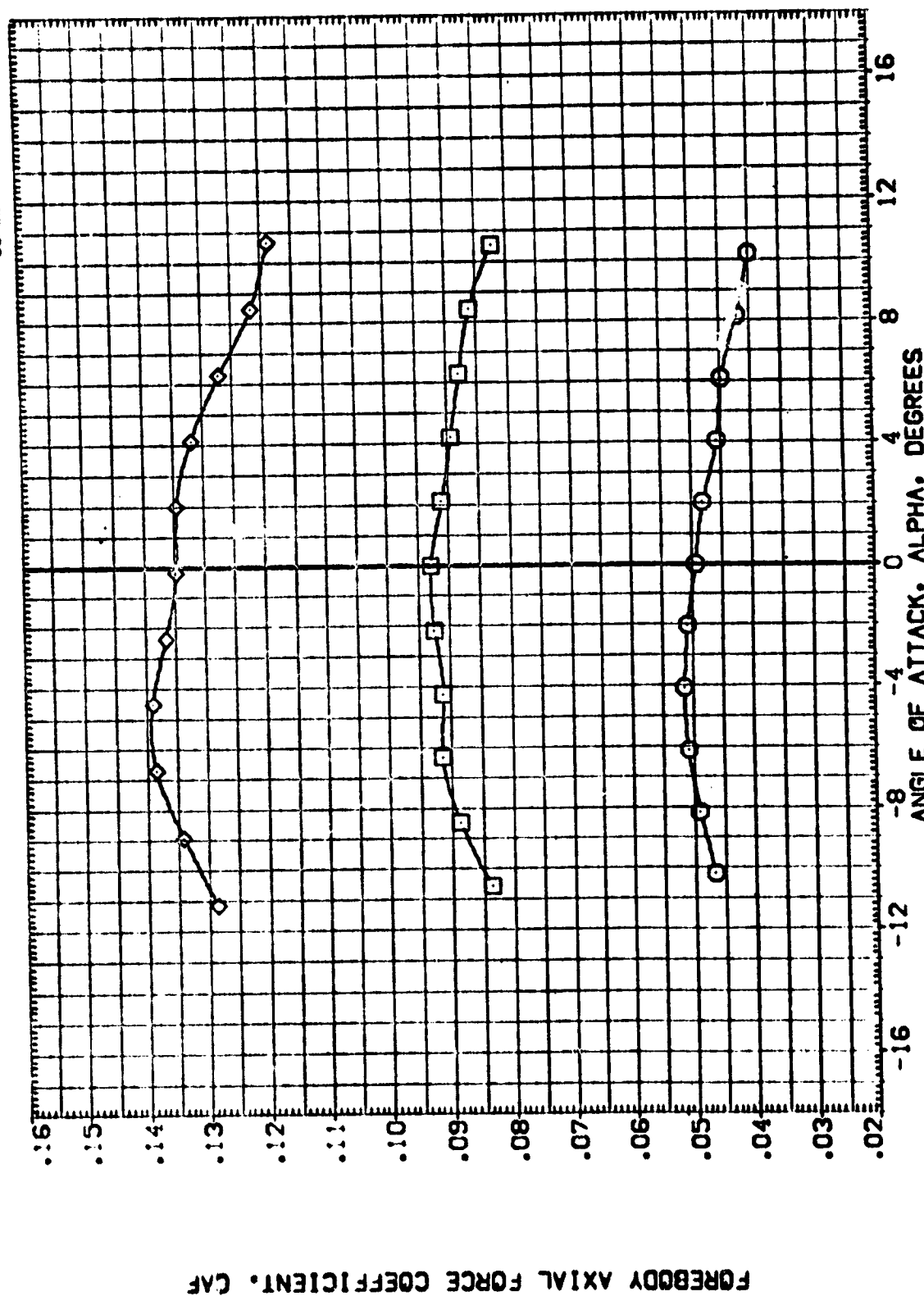
CONFIGURATION DESCRIPTION: LARC 8-TPT-693 (1A43) LARC 8-TPT-693 (1A43) LARC 8-TPT-693 (1A43)

DATE: 14/57 02/14/57

REFERENCE INFORMATION: SREF 2650.0000 LREF 1250.3000 BREF 1250.3000 XPRP 976.0000 YPRP 400.0000 ZPRP 0.0100

ELV-L0 ELV-L1 ELV-R1 ELV-R0

SO.FT. INCHES IN. XT IN. YT IN. ZT



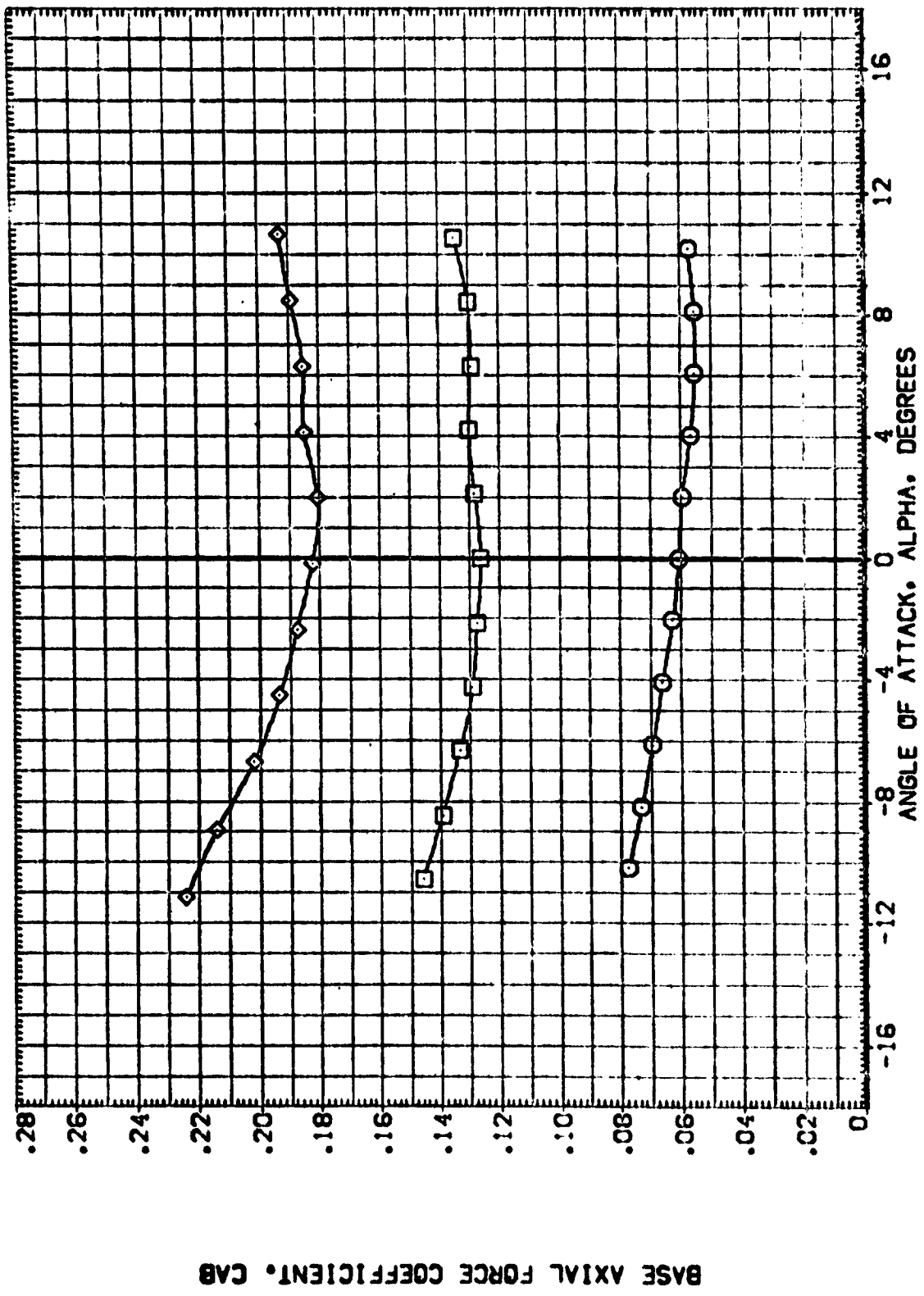
FOREBODY AXIAL FORCE COEFFICIENT, CAF

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CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(C)MACH = .90

DATA SET SYMBOL: [B-0020] [B-0019] [B-0006] CONFIGURATION DESCRIPTION: LARC 8-TPT-693 (1A43) CONF:GURAT:ON 14/57 02/14/57 REFERENCE INFORMATION: SREF 330.0000 SQ.FT. LREF 250.3000 INCHES BREF 250.3000 INCHES XREF 976.0000 IN. YREF 400.0000 IN. ZREF 400.0000 IN. SCALE .0100



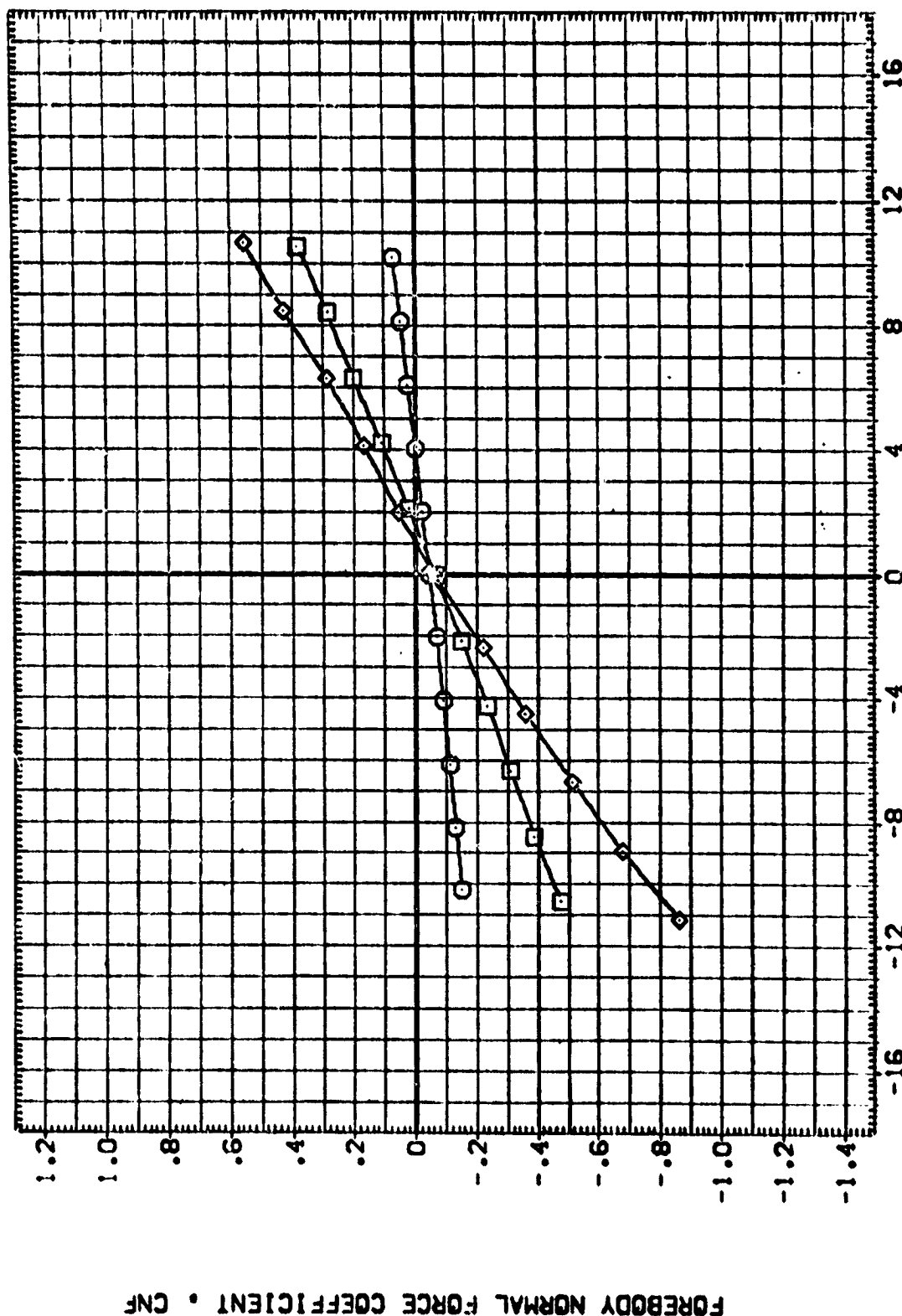
CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(C)MACH = .90



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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	T4 T4/S7	ELV-L0	ELV-L1	ELV-R1	ELV-R0	REFERENCE INFORMATION
(B-C020)	LARC 8-TPT-693 (1A13)	CONFIGURATION	.000	.000	.000	.000	SREF 2690.0000
(B-C019)	LARC 8-TPT-693 (1A13)	CONFIGURATION	.000	.000	.000	.000	LREF 1790.3000
(B-C006)	LARC 8-TPT-693 (1A13)	CONFIGURATION	.000	.000	.000	.000	BREF 1790.3000
							YMRP 975.0000
							ZMRP 400.0000
							SCALE .0100
							50 FT. INCHES
							IN. Y1
							IN. Z1



CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

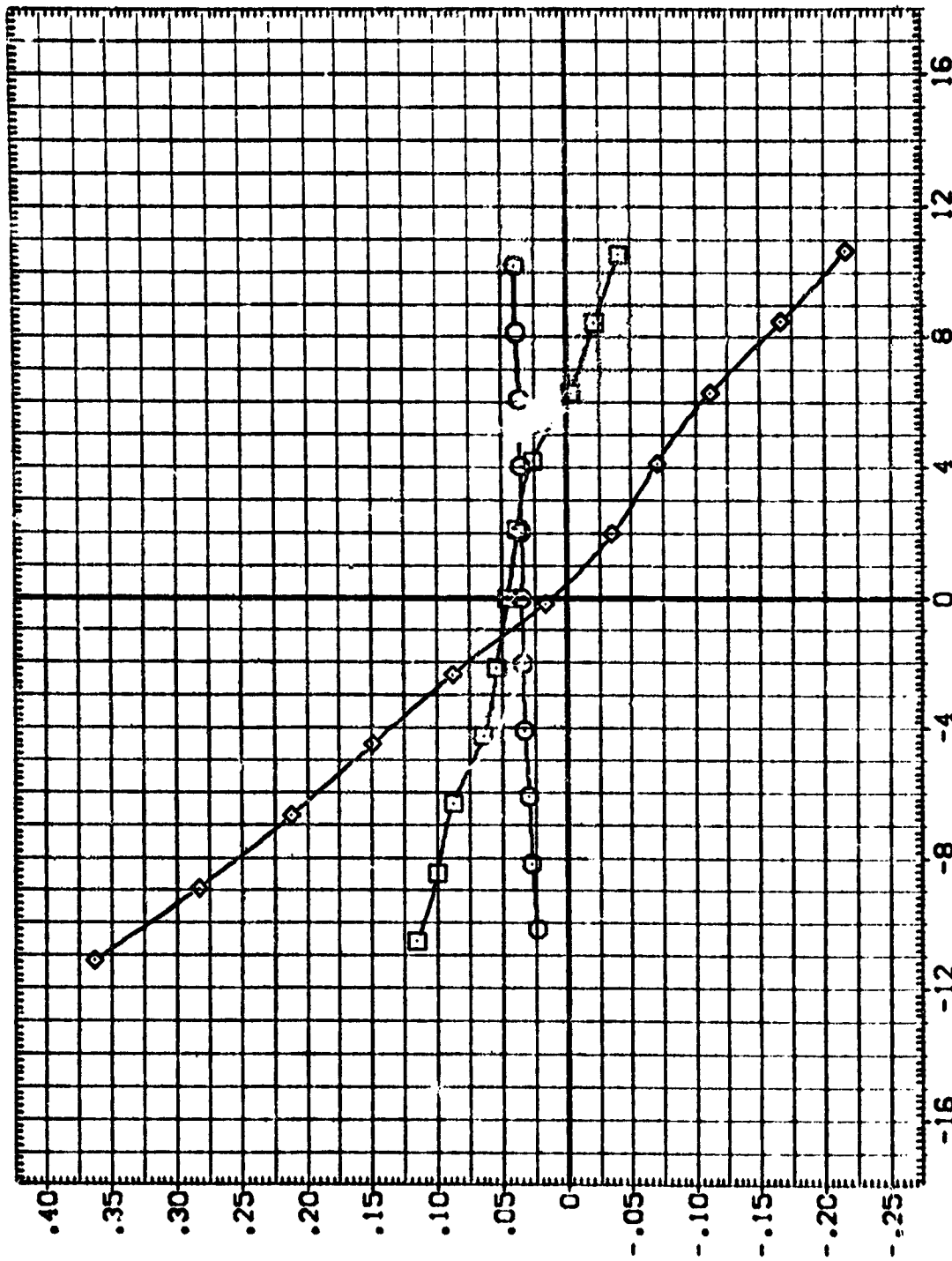
(C)MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 [8-0000] LARC 8-TPT-693 [1A13] CONF [GURATION] T4
 [8-0019] LARC 8-TPT-693 [1A13] CONF [GURATION] T4/S7
 [8-0006] LARC 8-TPT-693 [1A13] CONF [GURATION] 02/T4/S7

ELV-L3 ELV-L1 ELV-R1 ELV-R3
 .000 .000 .000 .000

REFERENCE INFORMATION
 SREF 100.0000 50.00
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 YREF 100.0000 50.00
 ZREF 100.0000 50.00
 SCALE 400.0100

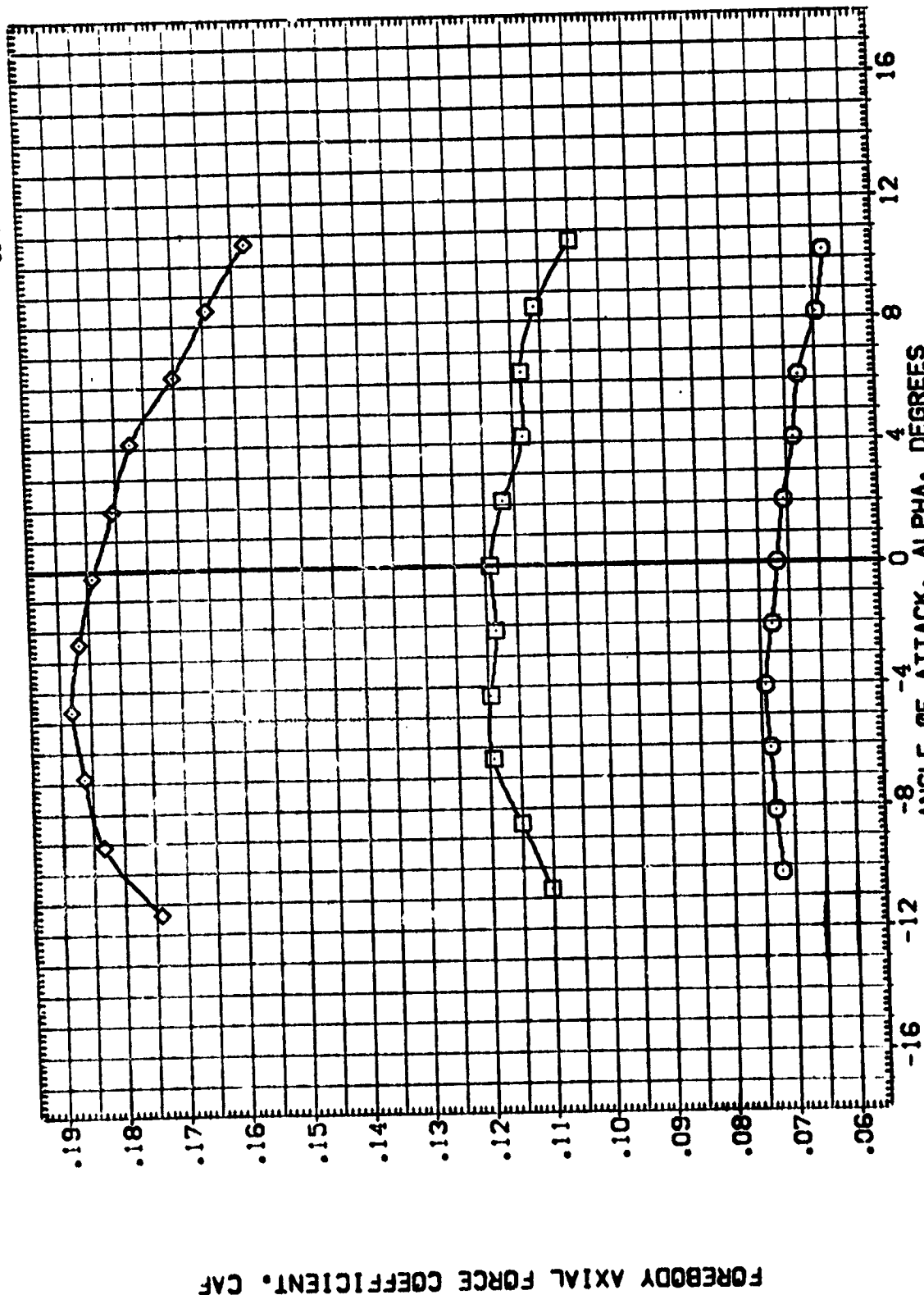
FOREBODY PITCHING MOMENT COEFFICIENT • CLMF



CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(C)MACH = .90

DATA SET SYMBOL



CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

$$\{D\}MACH = .98$$

PAGE 13

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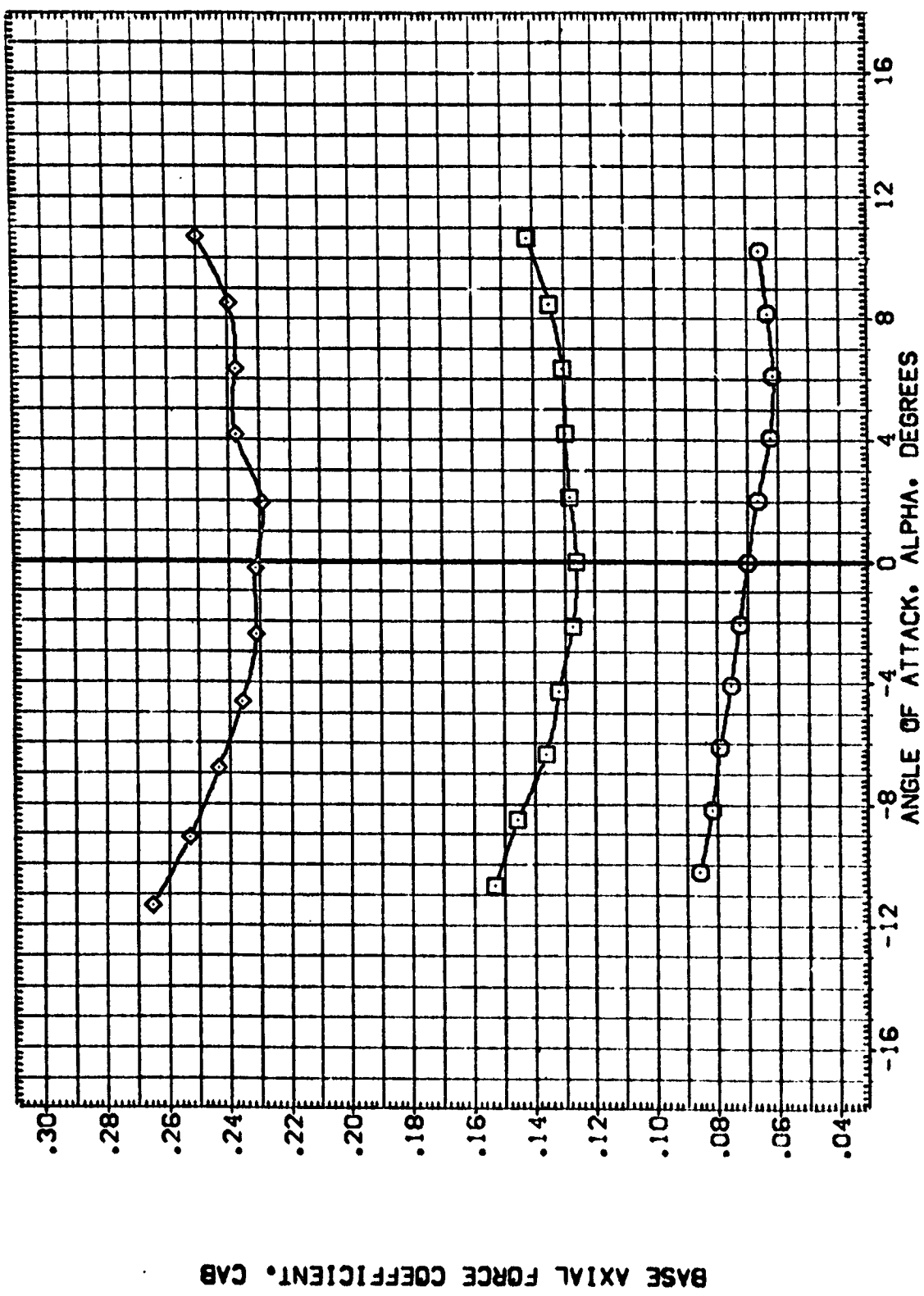


DATA SET SYMBOL: [B-C020] [B-C019] [B-C006]

CONFIGURATION DESCRIPTION: LARC 8-TPT-693 [1A13] CONFIGURATION T4 14/57 02/14/57

REFERENCE INFORMATION: SREF 2690.0000 50. FT. LREF 1290.3000 INCHES BREF 1290.3000 INCHES YMRP 576.0000 IN. XT YMRP 400.0000 IN. YT YMRP 400.0000 IN. ZT SCALE .0100

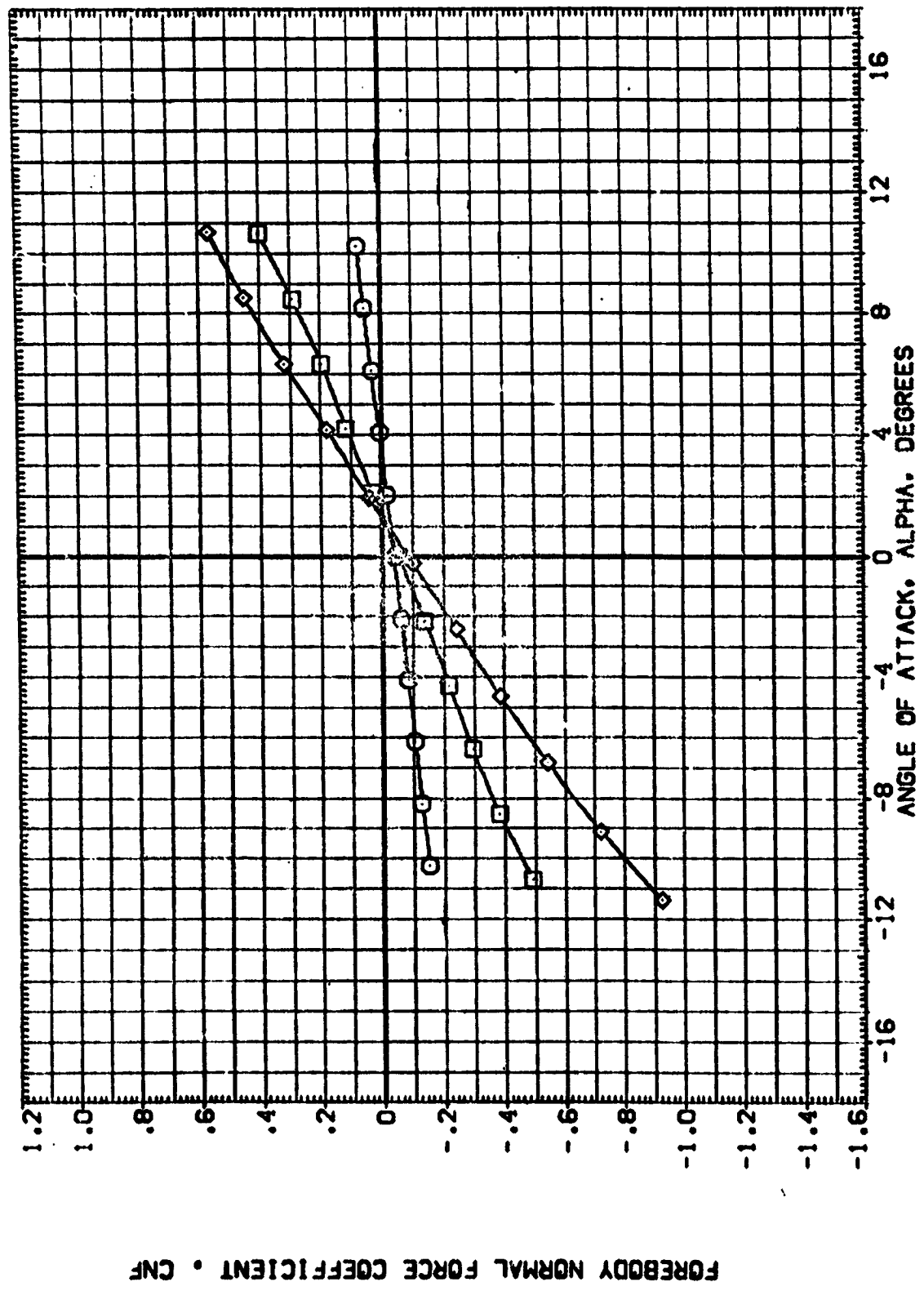
ELV-L0 ELV-L1 ELV-R1 ELV-R0



CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

CDMACH = .98

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		REFERENCE INFORMATION		SO. FT.	
(B-0020)	□	LARC 8-TPT-653 (1A13)	CONFIGURATION	SREF	2690.0000	IN-ES	1290.3000
(B-0019)	◇	LARC 8-TPT-653 (1A13)	CONFIGURATION	LREF	1290.3000	IN-ES	1290.3000
(B-0006)	◇	LARC 8-TPT-653 (1A13)	CONFIGURATION	BREF	976.0000	IN. VT	400.0000
				YMRP	400.0000	IN. VT	400.0000
				ZMRP	400.0000	IN. VT	400.0000
				SCALE	.0100		



FOREBODY NORMAL FORCE COEFFICIENT • CNF

CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

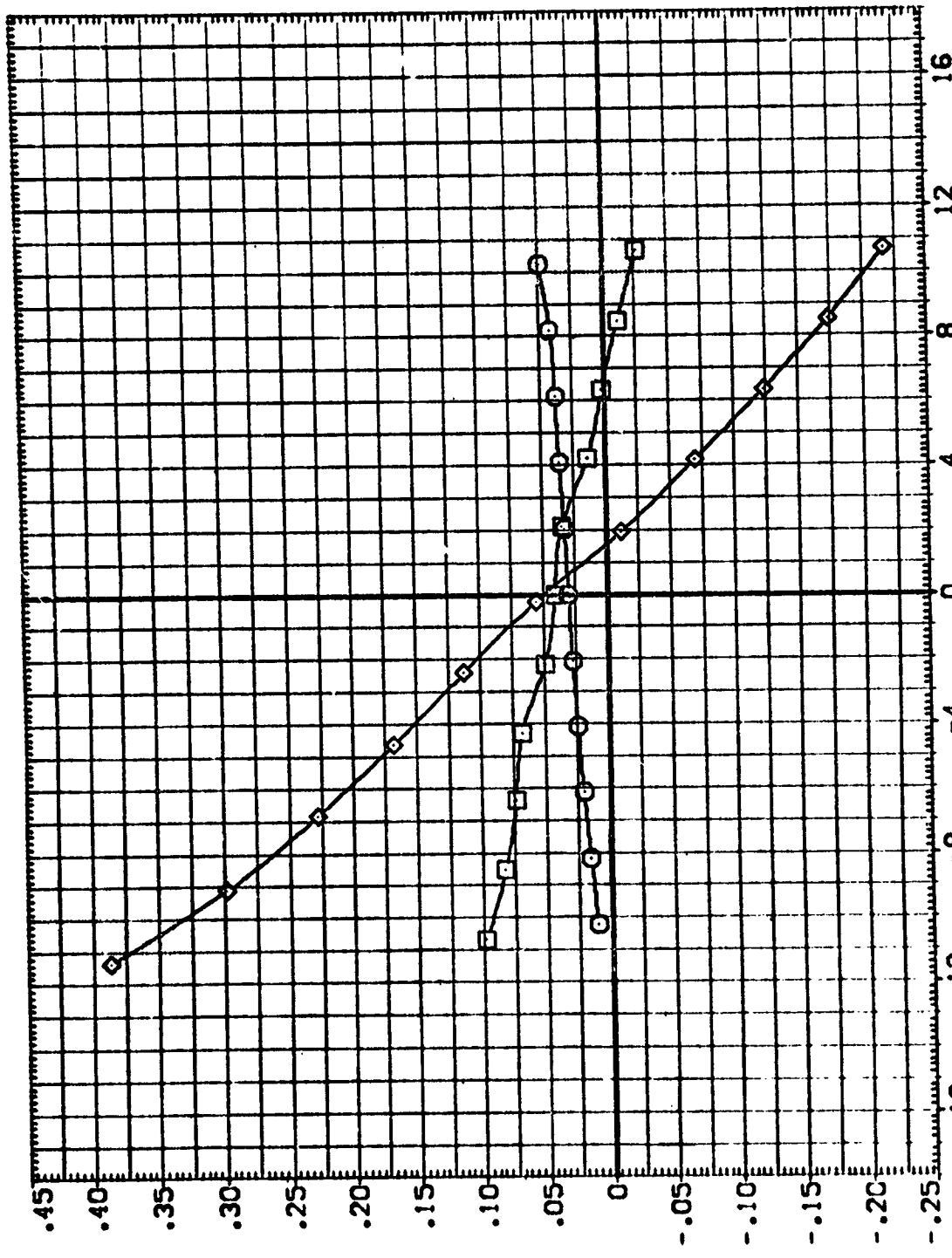
COMACH = .98

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DATA SET SYMBOL: {B-C000} {B-C001} {B-C002} {B-C003}

CONFIGURATION DESCRIPTION: LARC 8-TPT-693 (1A43) CONFIGURATION 14/57 LARC 8-TPT-693 (1A43) CONFIGURATION 02/14/57 LARC 8-TPT-693 (1A43) CONFIGURATION

ELV-L0 ELV-L1 ELV-R1 ELV-R0 REFERENCE INFORMATION: SREF 250.0000 50 FT. LREF 250.0000 INCHES BREF 1250.0000 INCHES XTRP 976.0000 IN. XT YTRP 400.0000 IN. YT SCALE .0100



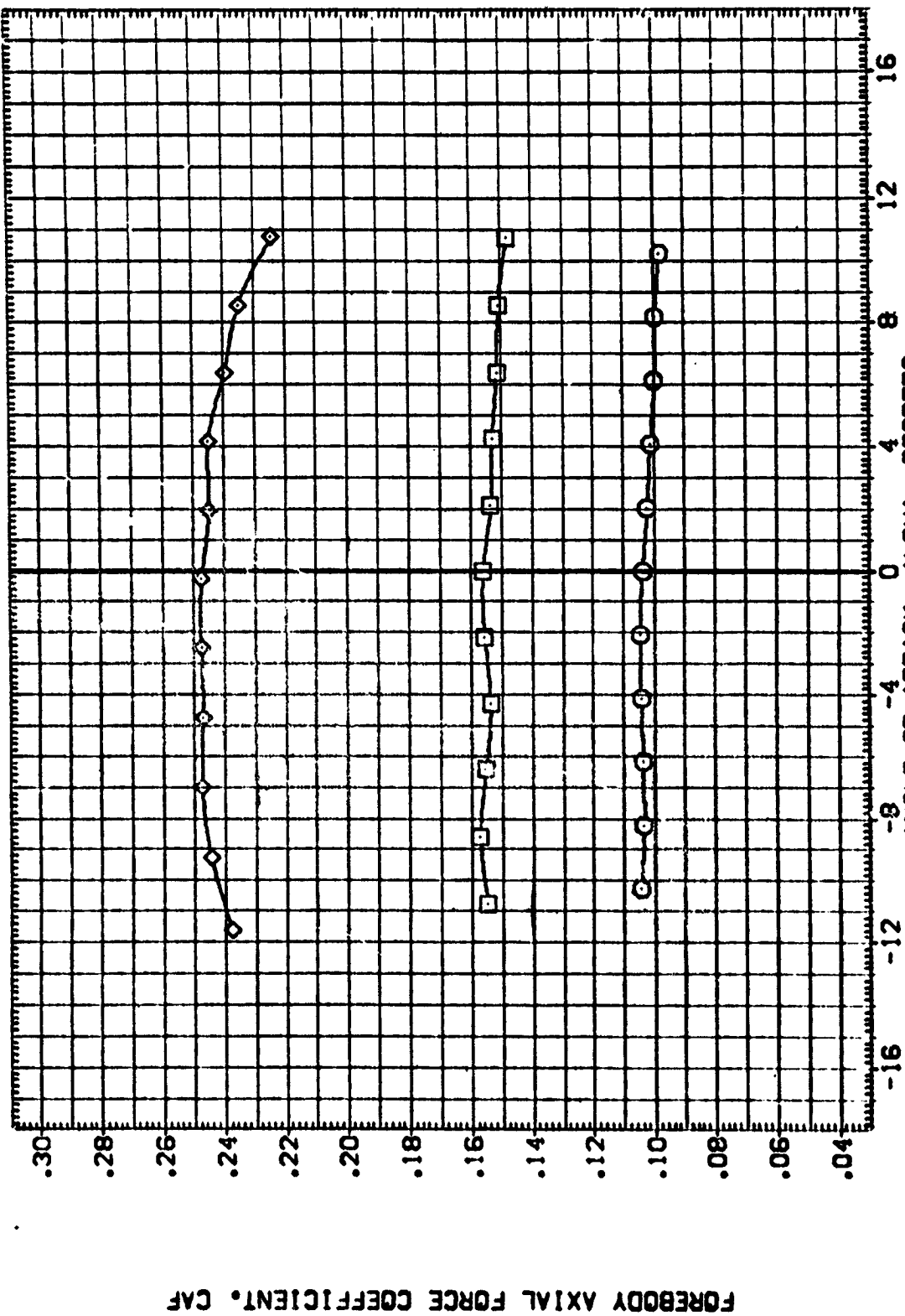
FOREBODY PITCHING MOMENT COEFFICIENT • CLMP

CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(D)MACH = .98

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-LD	ELV-LI	ELV-RI	ELV-RD	REFERENCE INFORMATION
(B-0020)	LARC 8-TPT-803 (1A13) CONFIGURATION					SREF 2680.0000 SQ.FT.
(B-0019)	LARC 8-TPT-803 (1A13) CONFIGURATION					LREF 1250.3000 IN.OES
(B-0006)	LARC 8-TPT-803 (1A13) CONFIGURATION					BREF 1250.3000 IN.OES
						YREF 976.0000 IN. XT
						ZREF 400.0000 IN. ZT
						SCALE .0100



CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(E)MACH = 1.13

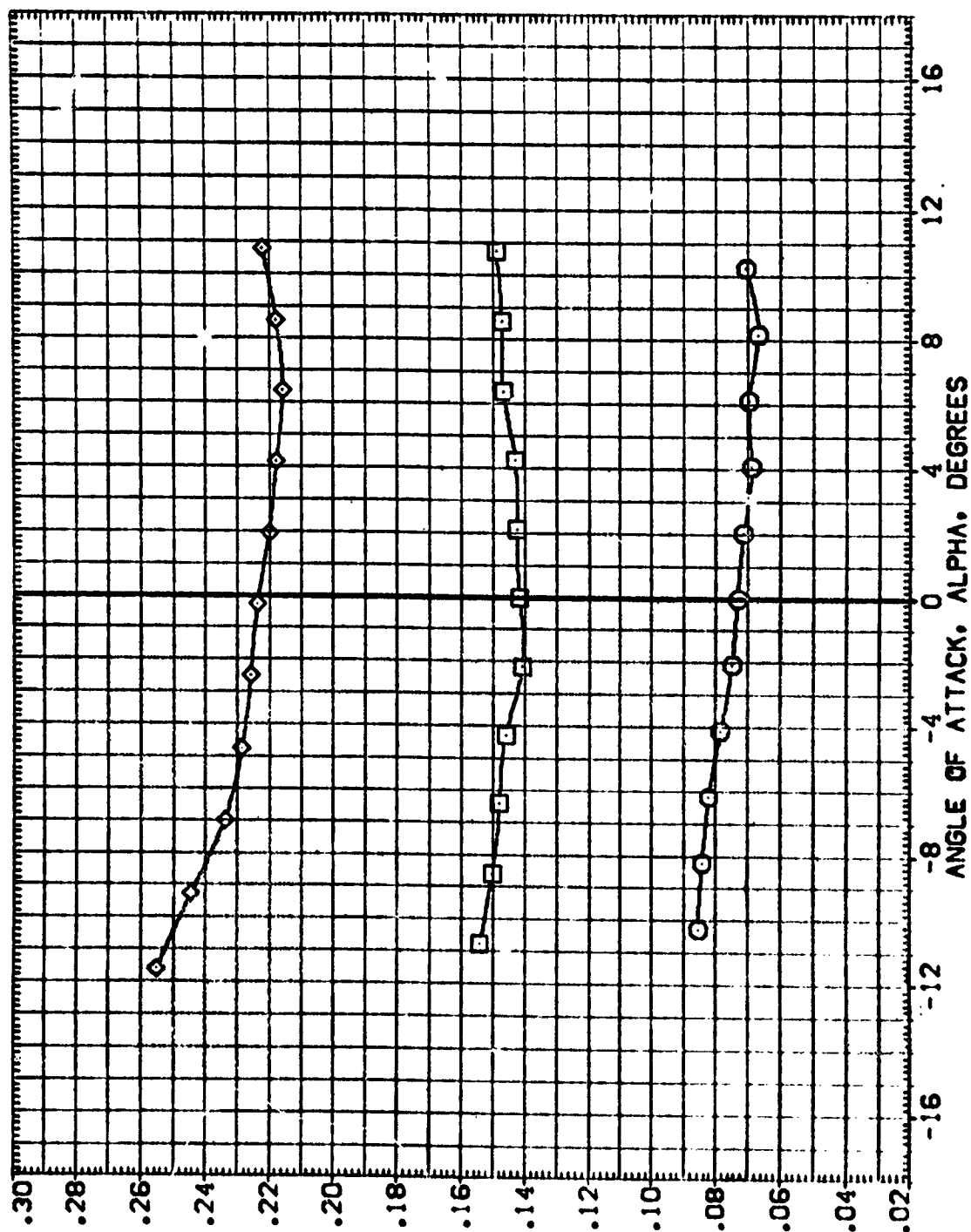
DATA SET SYMBOL: [B-020] [B-019] [B-006]
 CONFIGURATION DESCRIPTION: LARC 8-TPT-693 [1A13] CONF [GURATION] T4 14/57 02/14/57
 REFERENCE INFORMATION: SREF 150.0000 SQ.FT. LREF 1290.300 INCHES BREF 1290.300 INCHES XPRP 576.0000 IN. YPRP 400.0000 IN. ZPRP 400.0000 IN. SCALE .0100

ELV-L0 ELV-L1 ELV-R1 ELV-R0

.000 .000 .000 .000

CONF [GURATION] T4 14/57 02/14/57

CONF [GURATION] T4 14/57 02/14/57



BASE AXIAL FORCE COEFFICIENT, CAB

ANGLE OF ATTACK, ALPHA, DEGREES

CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(C)MACH = 1.13

PAGE 18

DATA SET SYMBOL: (B-0020) (B-0019) (B-0008)

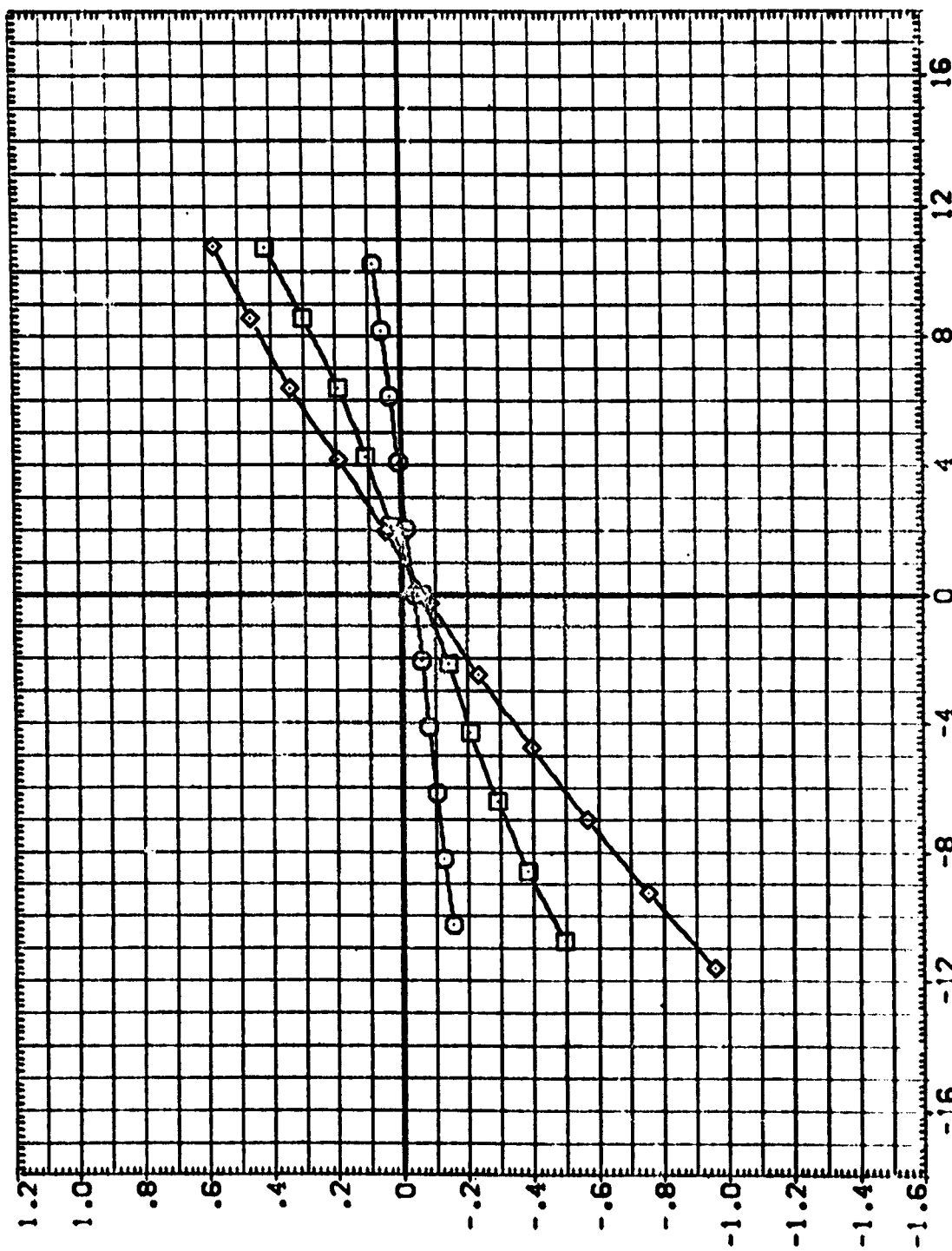
CONFIGURATION DESCRIPTION: LARC 8-TPT-653 (1A43) LARC 8-TPT-653 (1A43) LARC 8-TPT-653 (1A43)

CONF: (GLRAT) (GLRAT) (GLRAT)

DATE: 14/57 02/14/57

ELV-L0 ELV-L1 ELV-R1 ELV-R0

REFERENCE INFORMATION: SREF 2650.0000 50. FT. LREF 1250.0000 INO-ES 1250.0000 INO-ES 1250.0000 INO-ES 976.0000 IN. AT 400.0000 IN. Y1 400.0000 IN. Z1 400.0000 IN. Z1 SCALE .0100



FOREBODY NORMAL FORCE COEFFICIENT, CNF

ORIGINAL PAGE 66
OF POOR QUALITY

CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

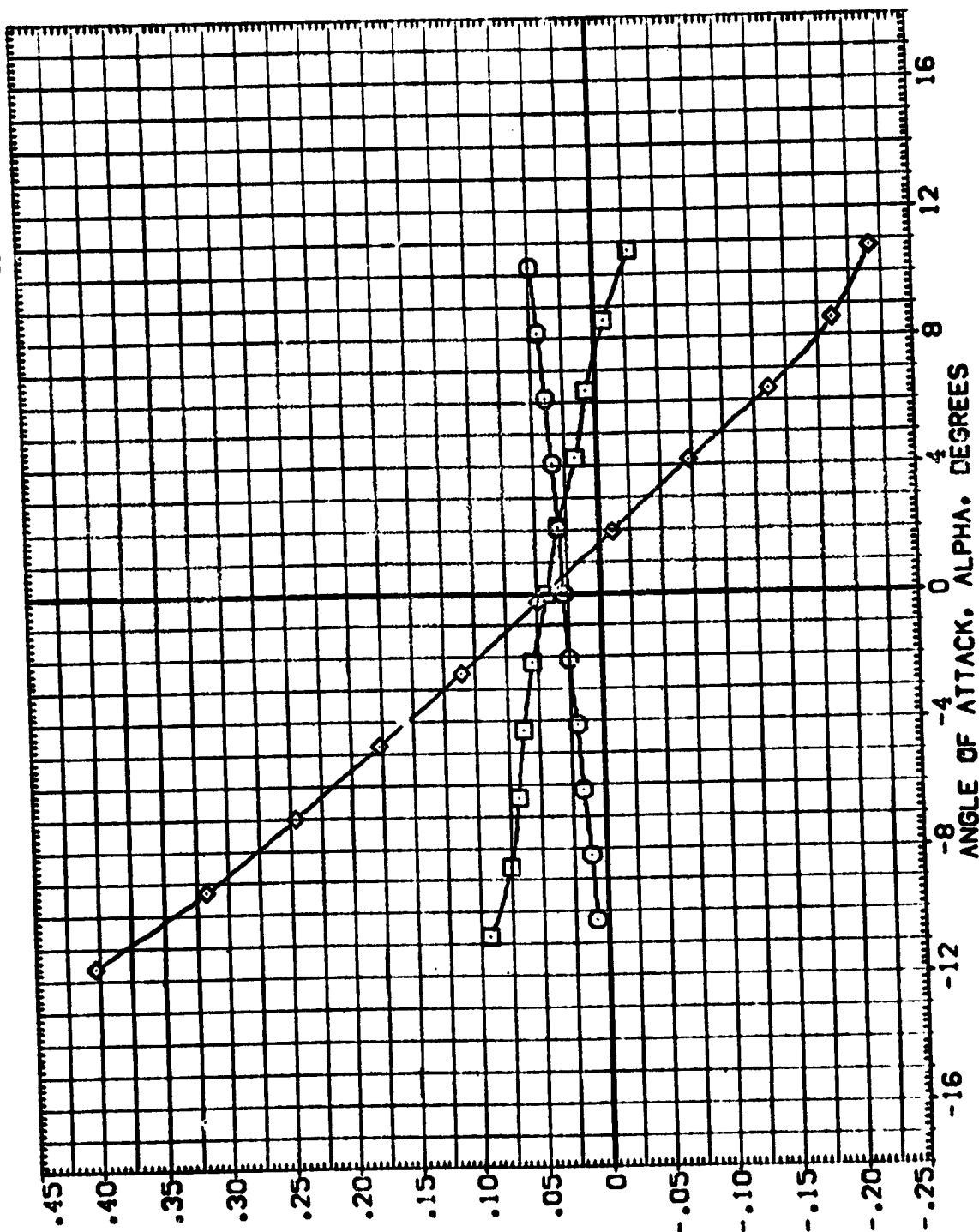
(E)MACH = 1.13

DATA SET SYMBOL: [B-C000] [B-C019] [B-C006]
 CONFIGURATION DESCRIPTION: LARC 8-TPT-893 [1A43] CONF [GLRAT] 14/57
 LARC 8-TPT-893 [1A43] CONF [GLRAT] 02/14/57
 LARC 8-TPT-893 [1A43] CONF [GLRAT]

ELV-L0 ELV-L1 ELV-R1 ELV-R0

REFERENCE INFORMATION: SREF 2690.0000 SQ.FT.
 LREF 1290.3000 INCHES
 BREF 1290.3000 INCHES
 X-GRP 576.0000 IN. XT
 Y-GRP 400.0000 IN. YT
 SCALE .0100

FOREBODY PITCHING MOMENT COEFFICIENT • CLMF



CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(E)MACH = 1.13

REFERENCE INFORMATION

SREF	2690.0000	SD.FT.
LREF	1290.3000	IN.-ES
BREF	1290.3000	IN.-ES
YREF	976.0000	IN. YI
ZREF	400.0000	IN. ZI
SCALE	.0100	

ELV-L0 ELV-L1 ELV-R1 ELV-R0

.000	.000	.000	.000
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T4
62/14/57

CONFIGURATION DESCRIPTION

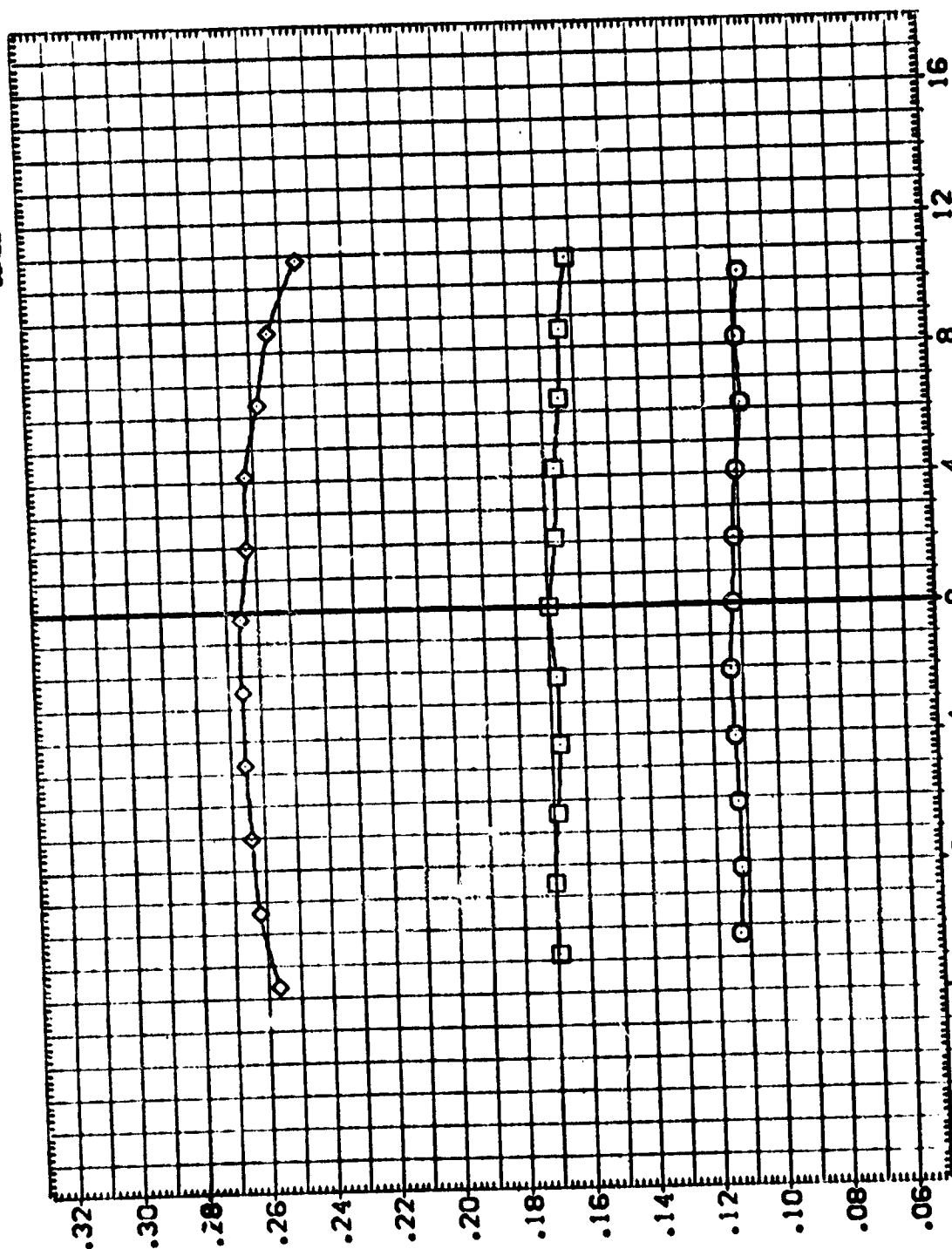
LARC 8-TPT-893	[[A43]	CONF	GURATION
LARC 8-TPT-893	[[A43]	CONF	GURATION
LARC 8-TPT-893	[[A43]	CONF	GURATION

DATA SET SYMBOL

{B-C020}
{B-C019}
{B-C006}

FOREBODY AXIAL FORCE COEFFICIENT, CAF

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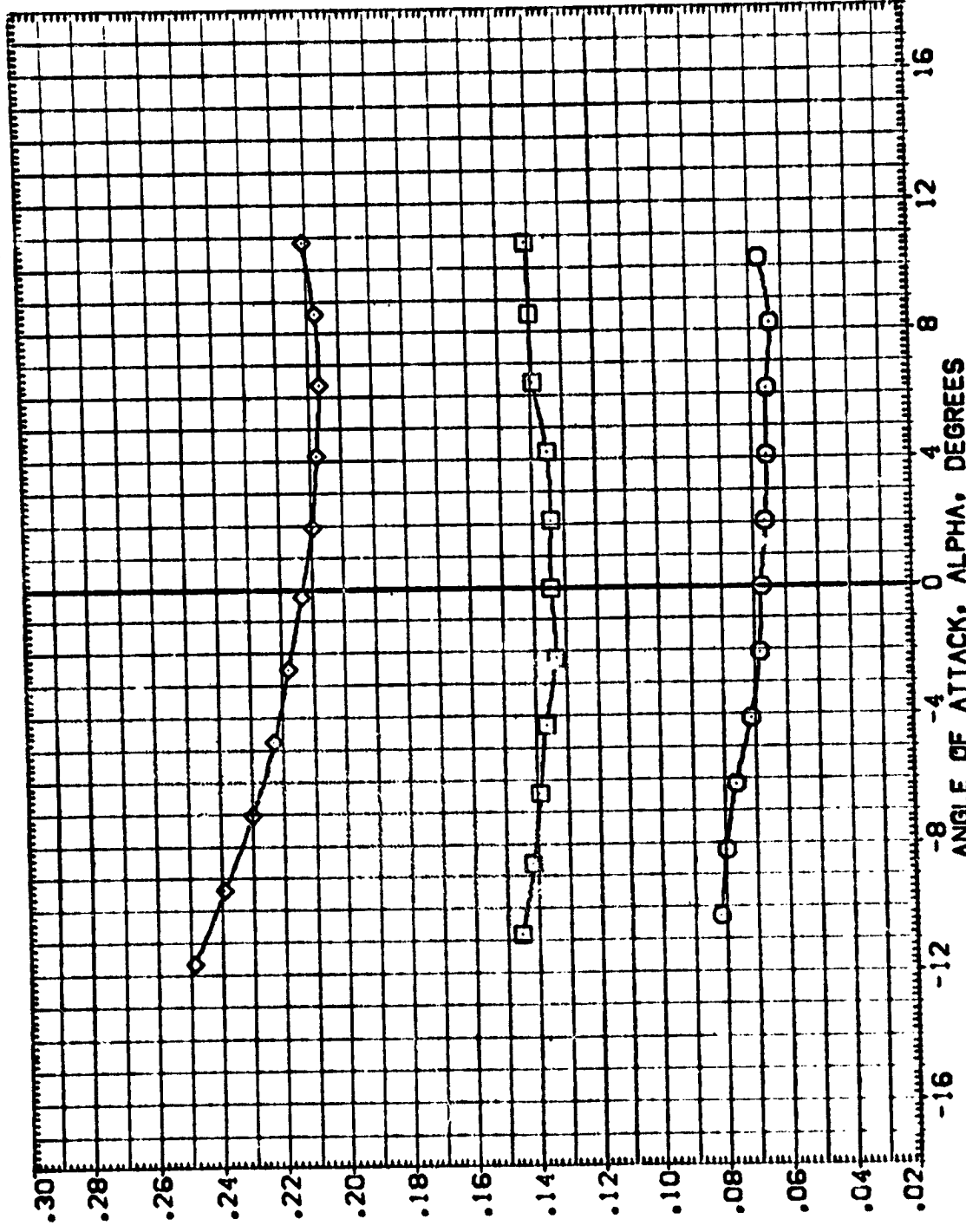


CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(F)MACH = 1.20



DATA SET SYMBOL: [B-C020] [B-C019] [B-C006]
CONFIGURATION DESCRIPTION: LARC 8-TPT-693 [A43] CONFIGURATION: 14 14/57 02/14/57
ELV-00 ELV-01 ELV-02 ELV-03 ELV-04 ELV-05
REF: SREF 30.0000 50.0000 50.0000
LREF 250.0000 250.0000 250.0000
BREF 1250.0000 1250.0000 1250.0000
XMRP 976.0000 976.0000 976.0000
YMRP 400.0000 400.0000 400.0000
ZMRP 400.0000 400.0000 400.0000
SCALE .0100



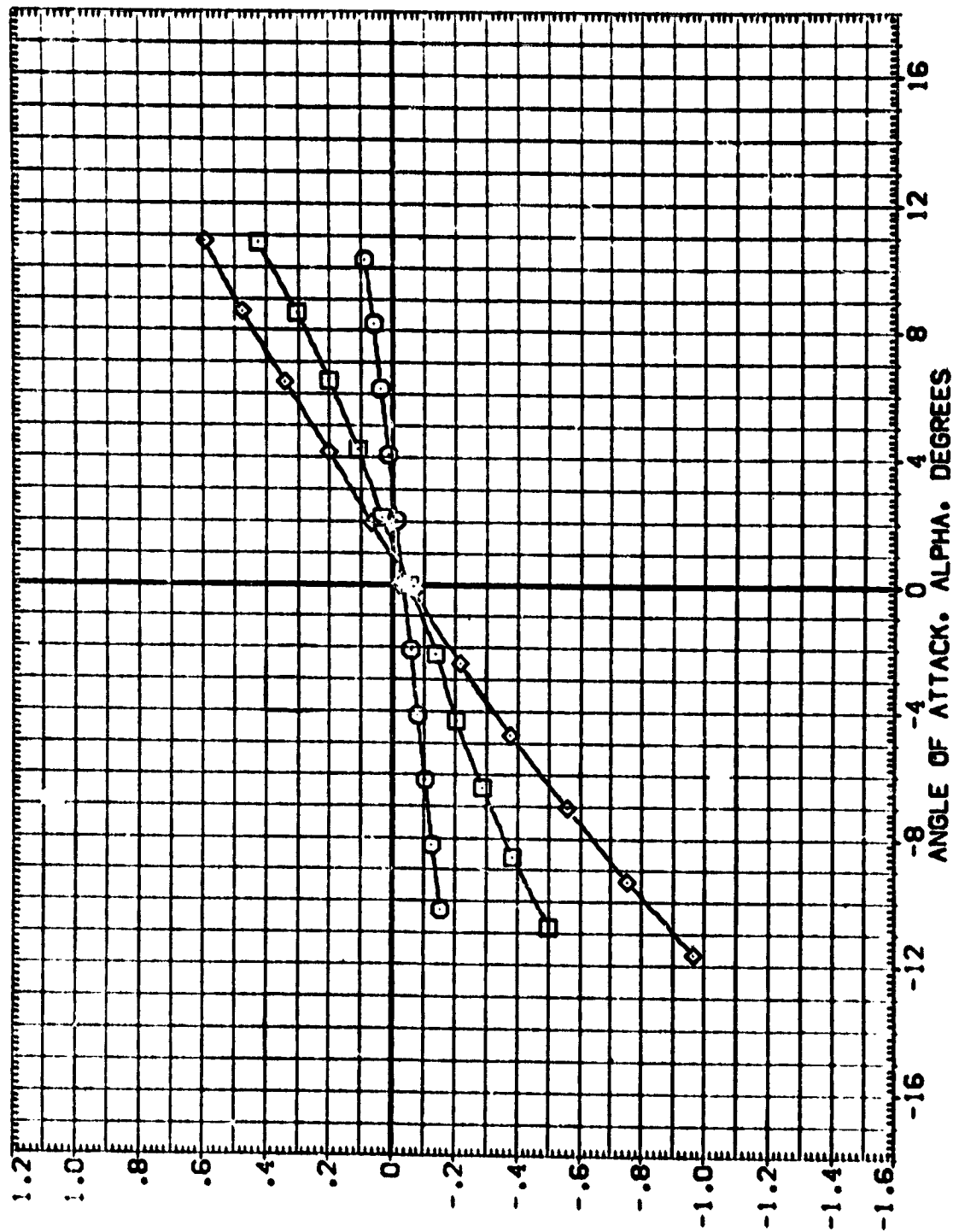
CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(F)MACH = 1.20

FOREBODY NORMAL FORCE COEFFICIENT, CNF

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DATA SET SYMB.	CONFIGURATION DESCRIPTION	ELV-L0	ELV-L1	ELV-R1	ELV-R0	REFERENCE INFORMATION
{B-C020}	LARC 8-TPT-693 {1A43} CONFIGURATION 14	.000	.000	.000	.000	SREF 2650.0000 50.51
{B-C019}	LARC 8-TPT-693 {1A43} CONFIGURATION 14/57					LREF 1250.3000 INO-ES
{B-C006}	LARC 8-TPT-693 {1A43} CONFIGURATION 02/14/57					BREF 1250.3000 INO-ES
						XREF 976.0700 IN. XT
						YREF .0000 IN. YT
						ZREF 400.0000 IN. ZT
						SCALE .0100



CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(F)MACH = 1.20

DATA SET SYMBOL
[B-C020]
[B-C019]
[B-C006]

CONF: DURATION DESCRIPTION
LARC 8-TPT-693 [A43] CONF: DURATION
LARC 8-TPT-693 [A43] CONF: DURATION
LARC 8-TPT-693 [A43] CONF: DURATION

T4
T4/S7
02/T4/S7

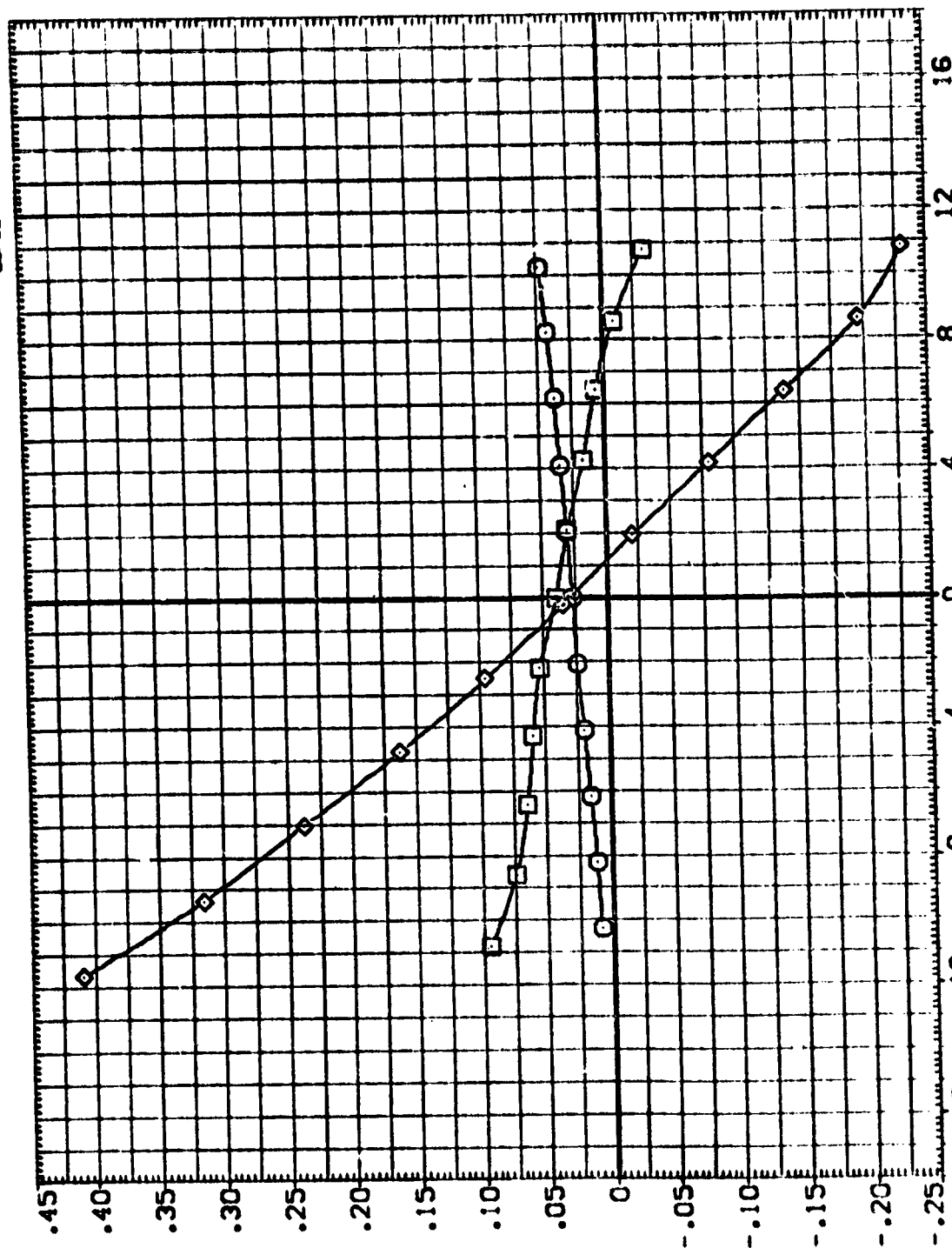
ELV-LS ELV-L ELV-R ELV-R0

.000 .000 .000 .000

REF: INFORMATION
SREF 50.0000
LREF 50.3000
BREF 50.3000
XREF 576.0000
YREF 400.0000
ZREF 400.0100
SCALE

50.0000
50.3000
50.3000
576.0000
400.0000
400.0100

FOREBODY PITCHING MOMENT COEFFICIENT • CLM



CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

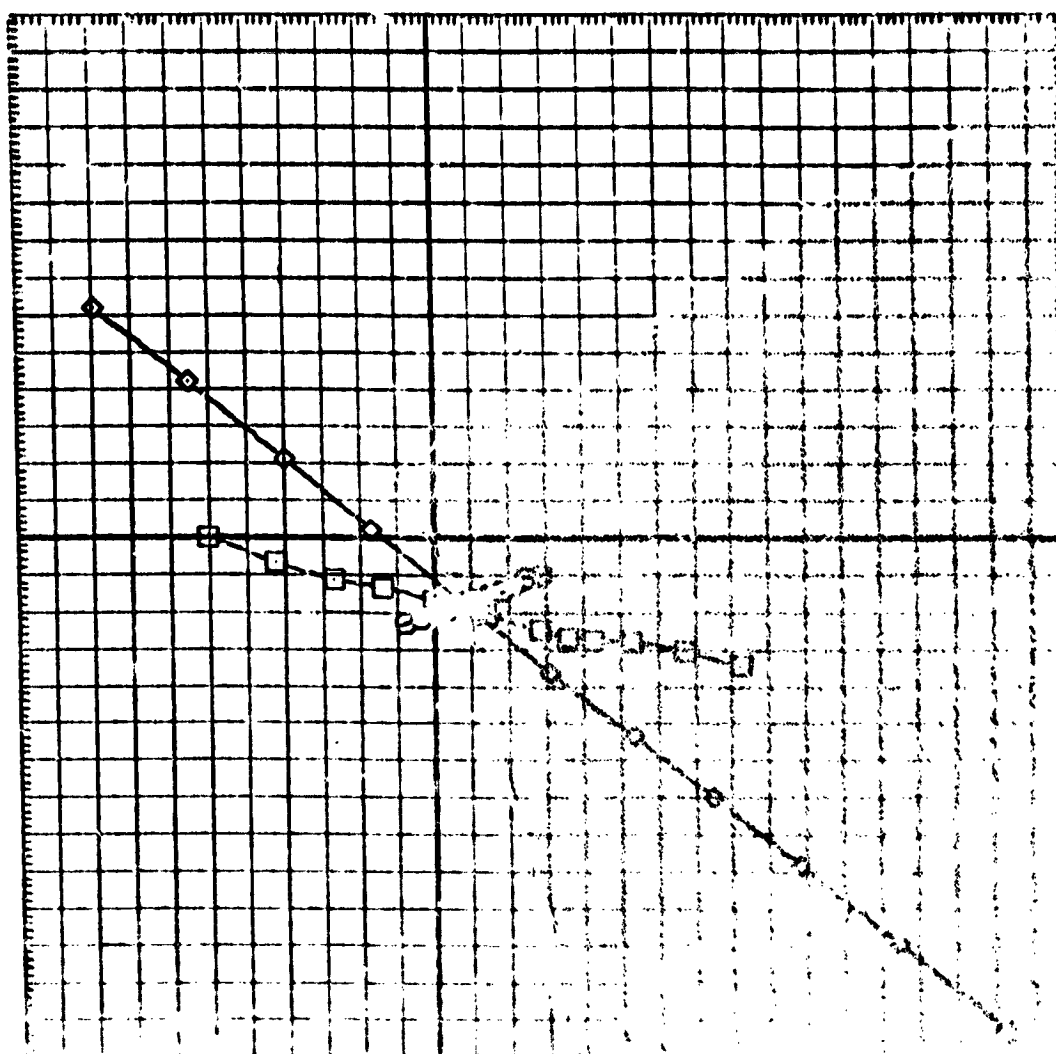
(F)MACH = 1.20

REFERENCE INFORMATION
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 LREF 1290.3000 INCHES
 BREF 1290.3000 INCHES
 XMRP 576.0000 IN. XT
 YMRP 400.0000 IN. YT
 ZMRP 400.0000 IN. ZT
 SCALE .0100

ELV-L0 ELV-L1 ELV-R1 ELV-R0
 .000 .000 .000 .000

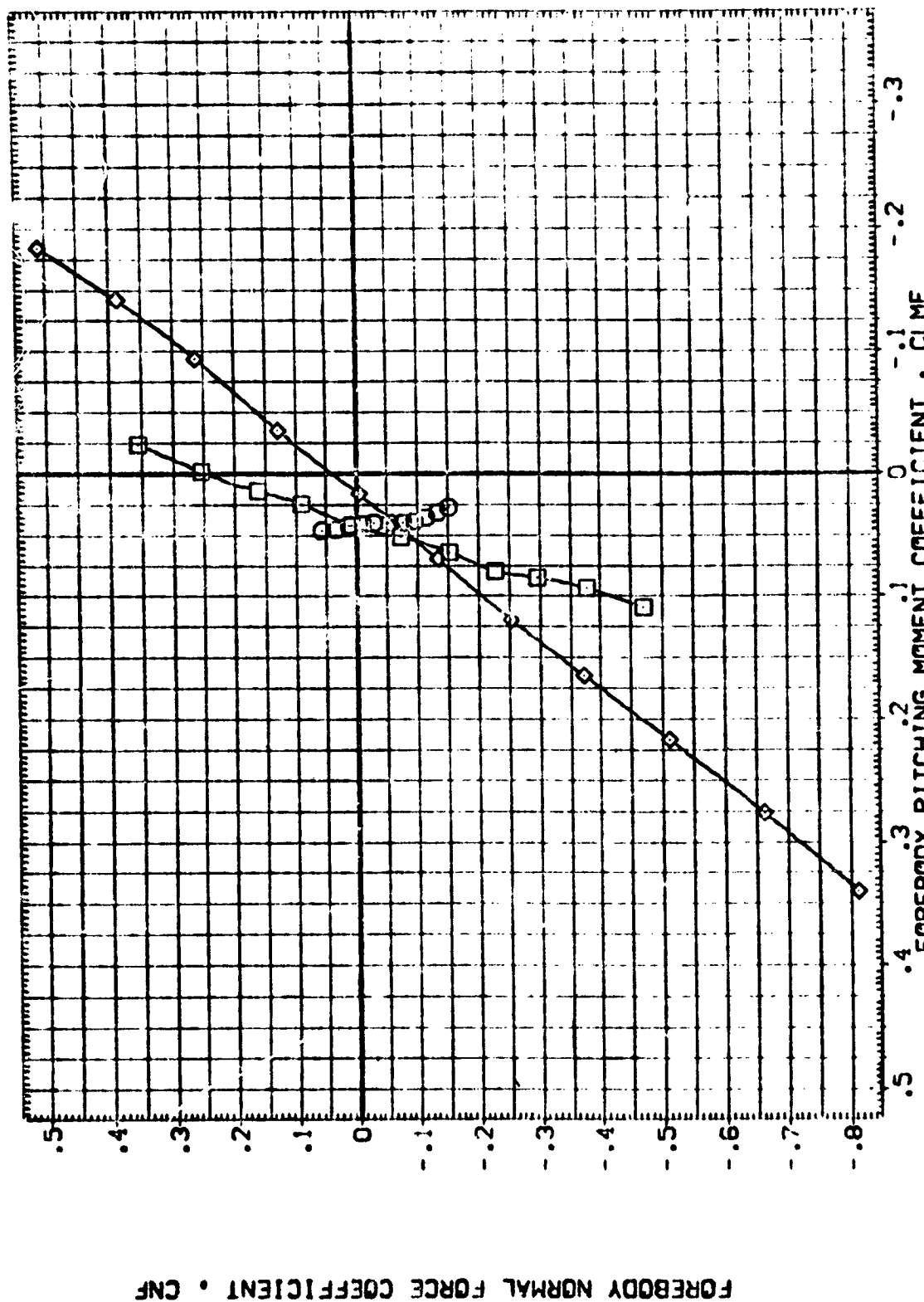
T4
 02/14/57

DESCRIPTION
 1431 COF. GURATION
 1432 COF. GURATION
 1433 COF. GURATION



-0.2 -0.3

COEFFICIENT OF FRICTION - CLMF
 COEFFICIENT OF FRICTION - CLMF

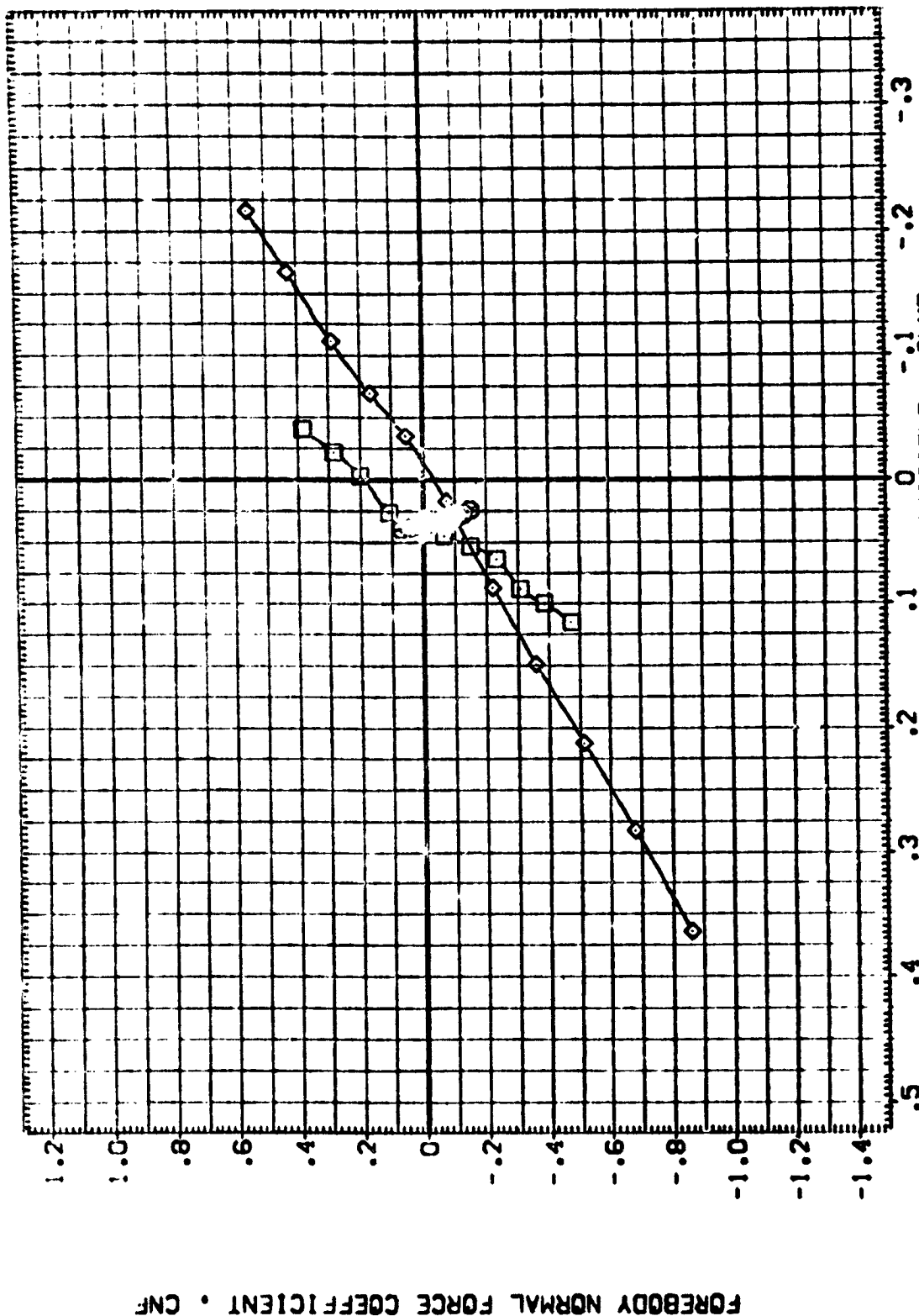
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CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

0.8 MACH =

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	T4	ELV-LD	ELV-LJ	ELV-RJ	ELV-RD	REFERENCE INFORMATION
(B-CC070)	LARC 8-TPT-893 (1A13) CONFIGURATION	14/57	.000	.000	.000	.000	SREF 2690.0000 SQ.FT.
(B-CC079)	LARC 8-TPT-893 (1A13) CONFIGURATION	14/57	.000	.000	.000	.000	LREF 1250.3000 IN.-ES
(B-CC086)	LARC 8-TPT-893 (1A13) CONFIGURATION	02/14/57	.000	.000	.000	.000	BREF 1250.3000 IN.-ES
							XMRP 576.0000 IN. AT
							ZMRP 400.0000 IN. AT
							SCALE .0100



CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(C)MACH = .90

DATA SET - SYRAC

DATA SET SYMBOL: (B-CC03) (B-CC19) (B-CC06)

CONFIGURATION DESCRIPTION: LARC 8-TPT-693 (A43) LARC 8-TPT-693 (A43) LARC 8-TPT-693 (A43)

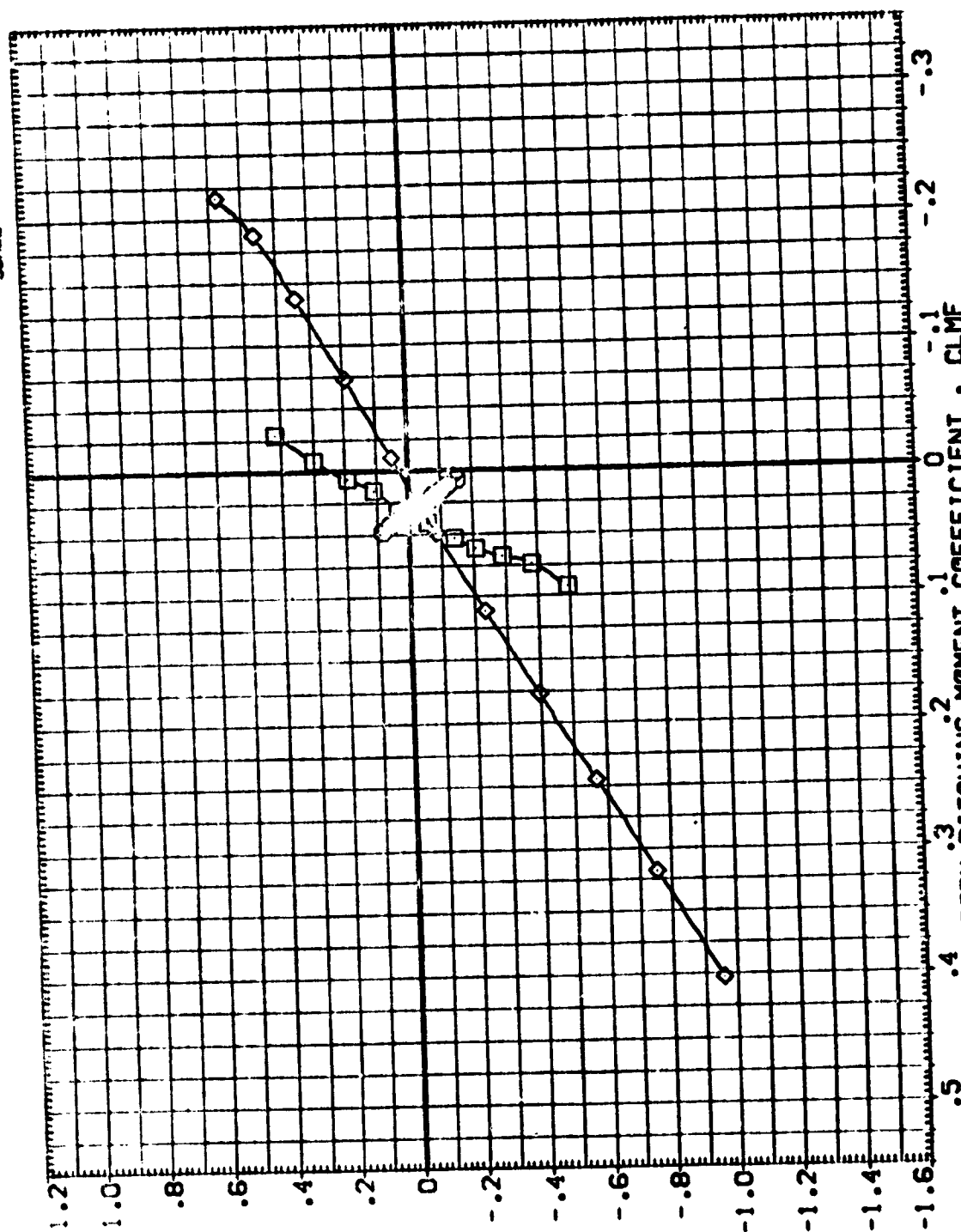
14/57 02/14/57

ELV-L0 ELV-L1 ELV-R1 ELV-R0

.000 .000 .000 .000

REFERENCE INFORMATION: SREF 2690.0000 50.FT. LREF 1290.3000 INCHES BREF 1290.3000 INCHES XMRP 576.0000 IN. Y1 N. Y1 N. Z1 N. Z1 N. SCALE 400.0000 .0100

FOREBODY NORMAL FORCE COEFFICIENT • CNF



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CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

(E)MACH = 1.13

DATA SET SYMBOL
 [D-0023]
 [D-0033]
 [D-0006]

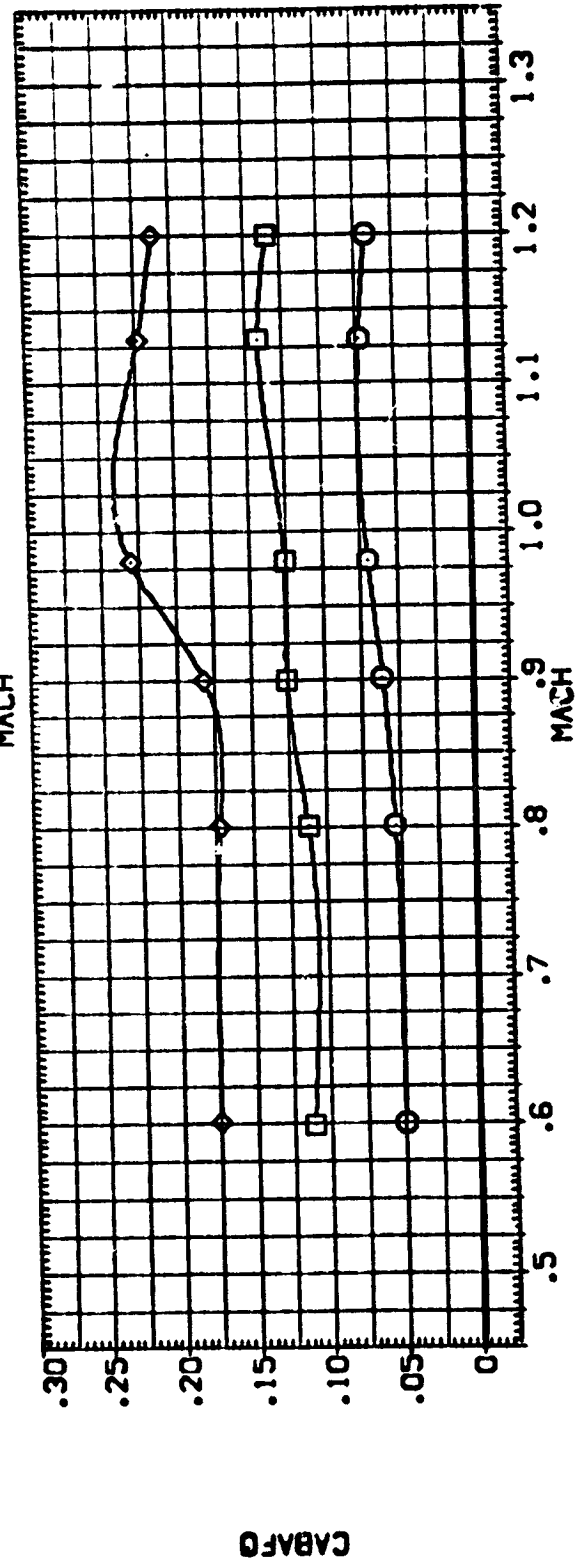
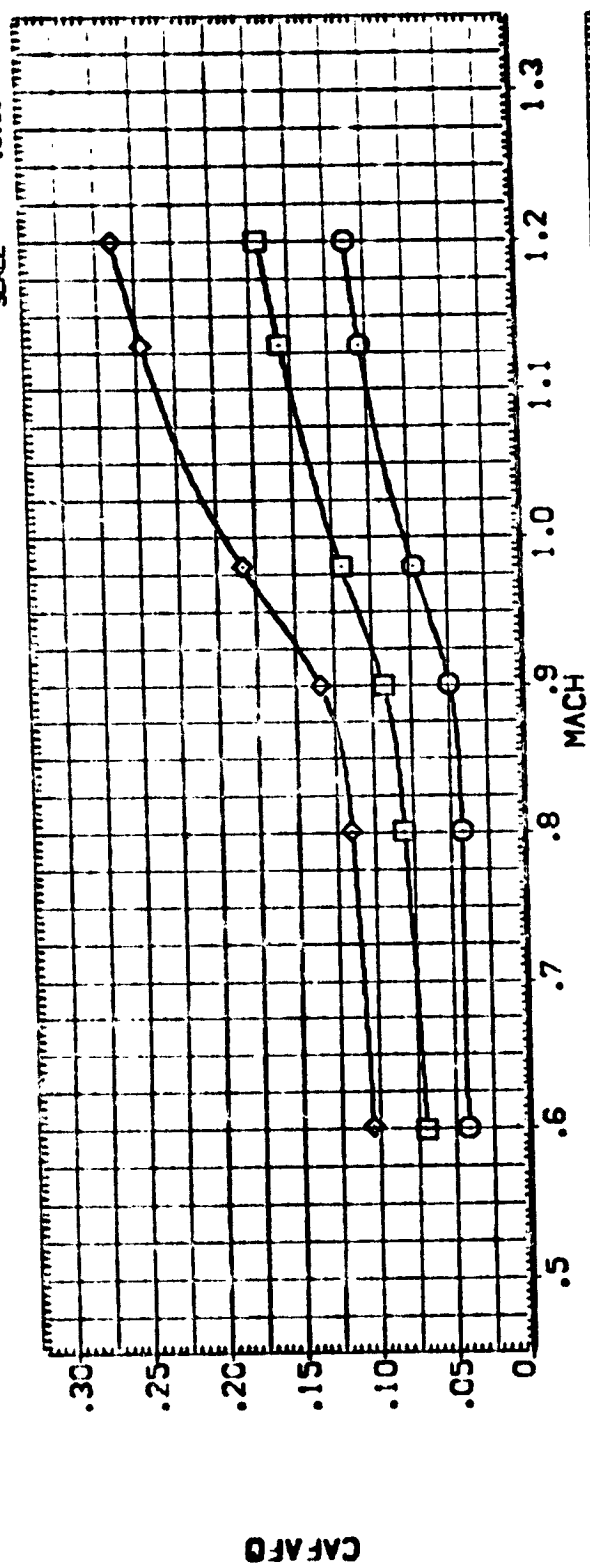
CONFIGURATION DESCRIPTION
 LARC 8-TPT-603 [1A13] CONF [GURATION]
 LARC 8-TPT-603 [1A13] CONF [GURATION]
 LARC 8-TPT-603 [1A13] CONF [GURATION]

T4
 14/57
 02/4/57

ELV-L0 ELV-L1 ELV-R1 ELV-R0

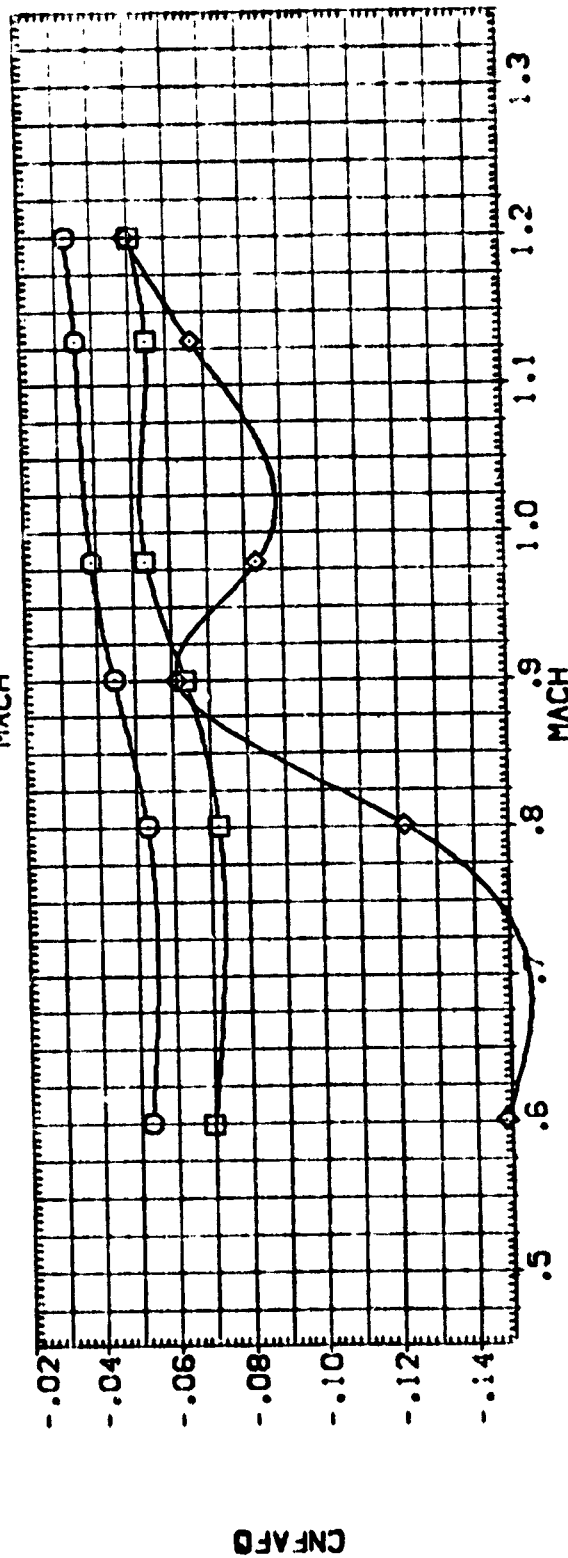
.000 .000 .000 .000

REFERENCE INFORMATION
 SREF 2630.000 SQ.FT.
 LREF 1290.300 INCHES
 BREF 1290.300 INCHES
 XPRP 976.0000 IN. XT
 YPRP 400.0000 IN. ZT
 SCALE .0100



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CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

[illegible]

CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL: 8-0020, 8-0019, 8-0026

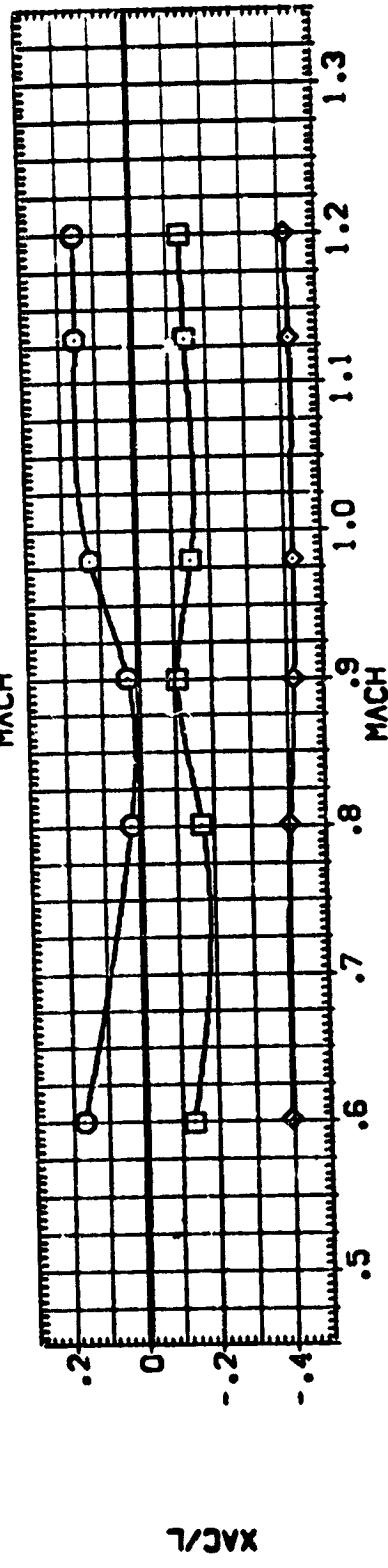
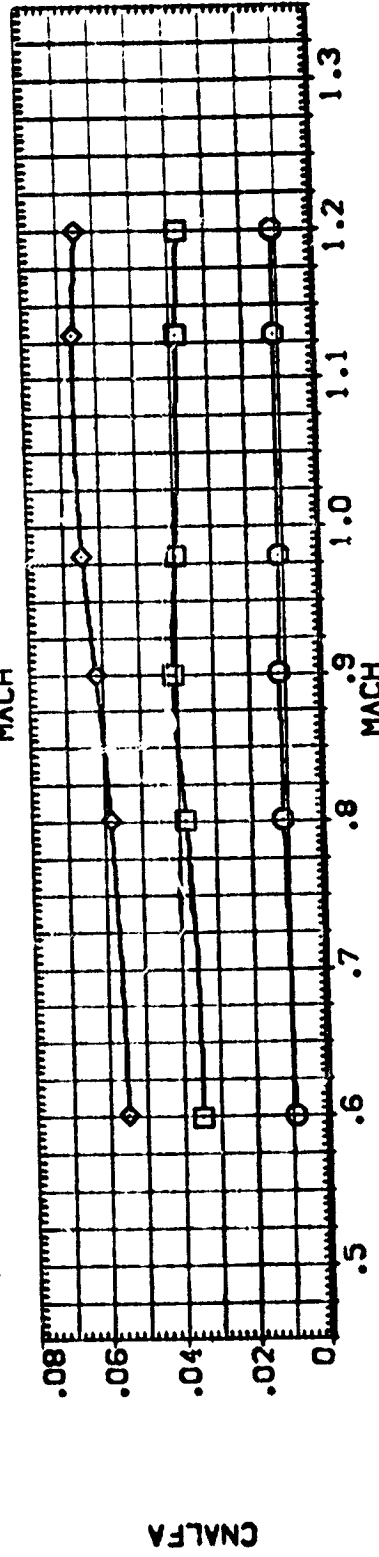
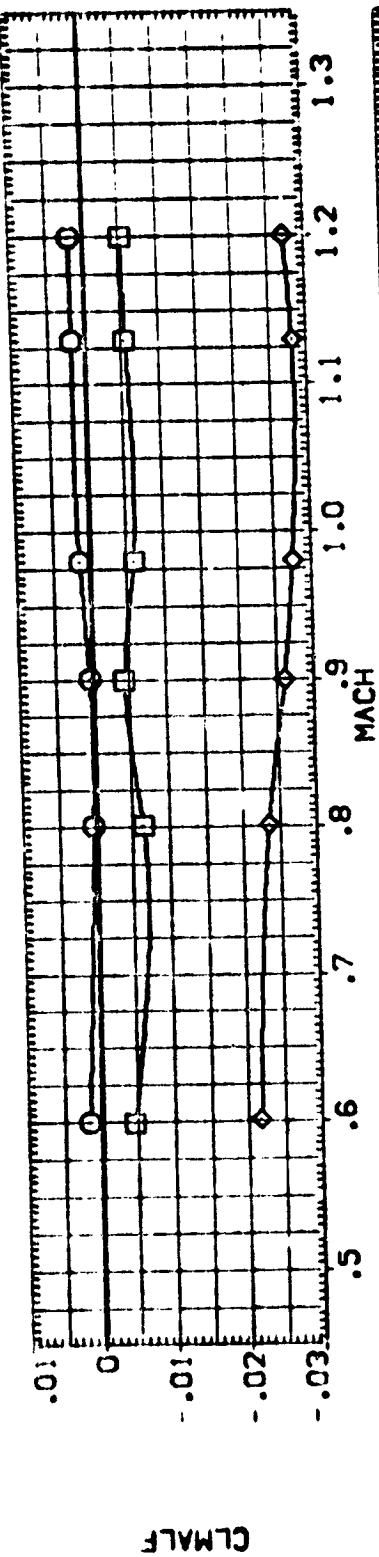
CONFIGURATION DESCRIPTION: LARC 8-TPT-893 (1A13), LARC 8-TPT-893 (1A13), LARC 8-TPT-893 (1A13)

CONFIGURATION: 14, 02/14/57

REFERENCE INFORMATION: SREF, LREF, BREF, YARP, ZARP, SCALE

ELV-L0, ELV-L1, ELV-R1, ELV-R0

SD.FT., INC-ES, IN. XT, IN. YT



CONFIGURATION BUILD-UP EFFECTS ON LONGITUDINAL CHARACTERISTICS

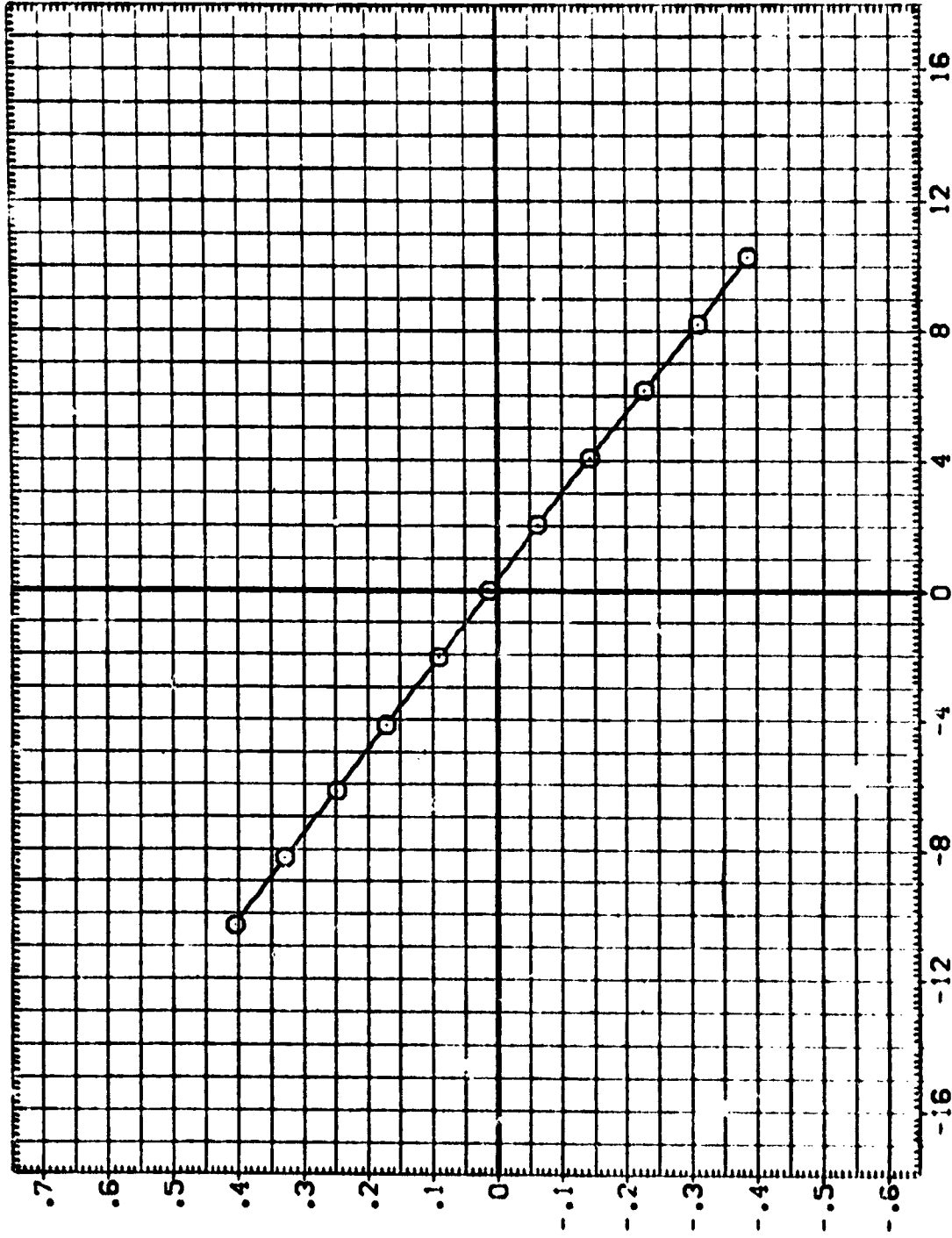
ORIGINAL PAGE IS
OF POOR QUALITY

DATA SET SYMBOL: 0 CONFIGURATION DESCRIPTION: LARC 8-1PT-683 (1413) CONFIGURATION 02/14/57

ELV-L0 ELV-L1 ELV-R0 ELV-R1

REF: 1000 50 FT. 1000 50 FT. 1000 50 FT. 1000 50 FT.
 X-REF: 1000 50 FT. 1000 50 FT. 1000 50 FT. 1000 50 FT.
 Y-REF: 1000 50 FT. 1000 50 FT. 1000 50 FT. 1000 50 FT.
 Z-REF: 1000 50 FT. 1000 50 FT. 1000 50 FT. 1000 50 FT.
 SCALE: 400.0000 IN. 0.0100

SIDE FORCE COEFFICIENT, CY



LATERAL-DIRECTIONAL CHARACTERISTICS OF LAUNCH CONFIGURATION, ALPHA= 0.

(M)MACH = .60

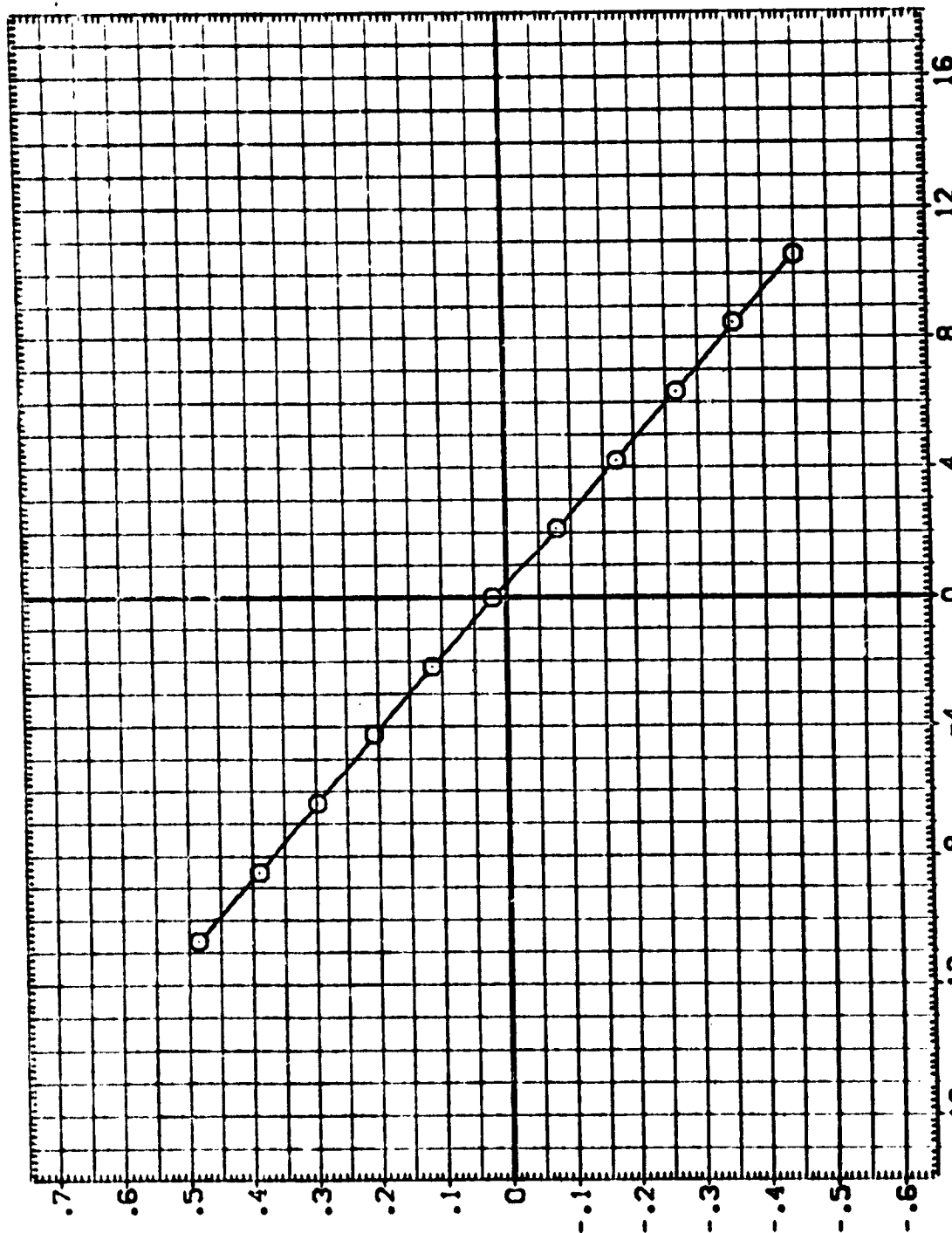
PAGE 34

DATA SET SYMBOL: 0
 (B-0007)

CONFIGURATION DESCRIPTION: LANC 8-TPT-633 (1A43) CONFIGURATION 02/14/87

ELV-L0 ELV-L1 ELV-R1 ELV-R0

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.0000 INCHES
 BREF 1290.0000 INCHES
 XPRP 576.0000 IN. XT
 YPRP 400.0000 IN. YT
 ZPRP 400.0000 IN. ZT
 SCALE .0100



SIDE FORCE COEFFICIENT, CY

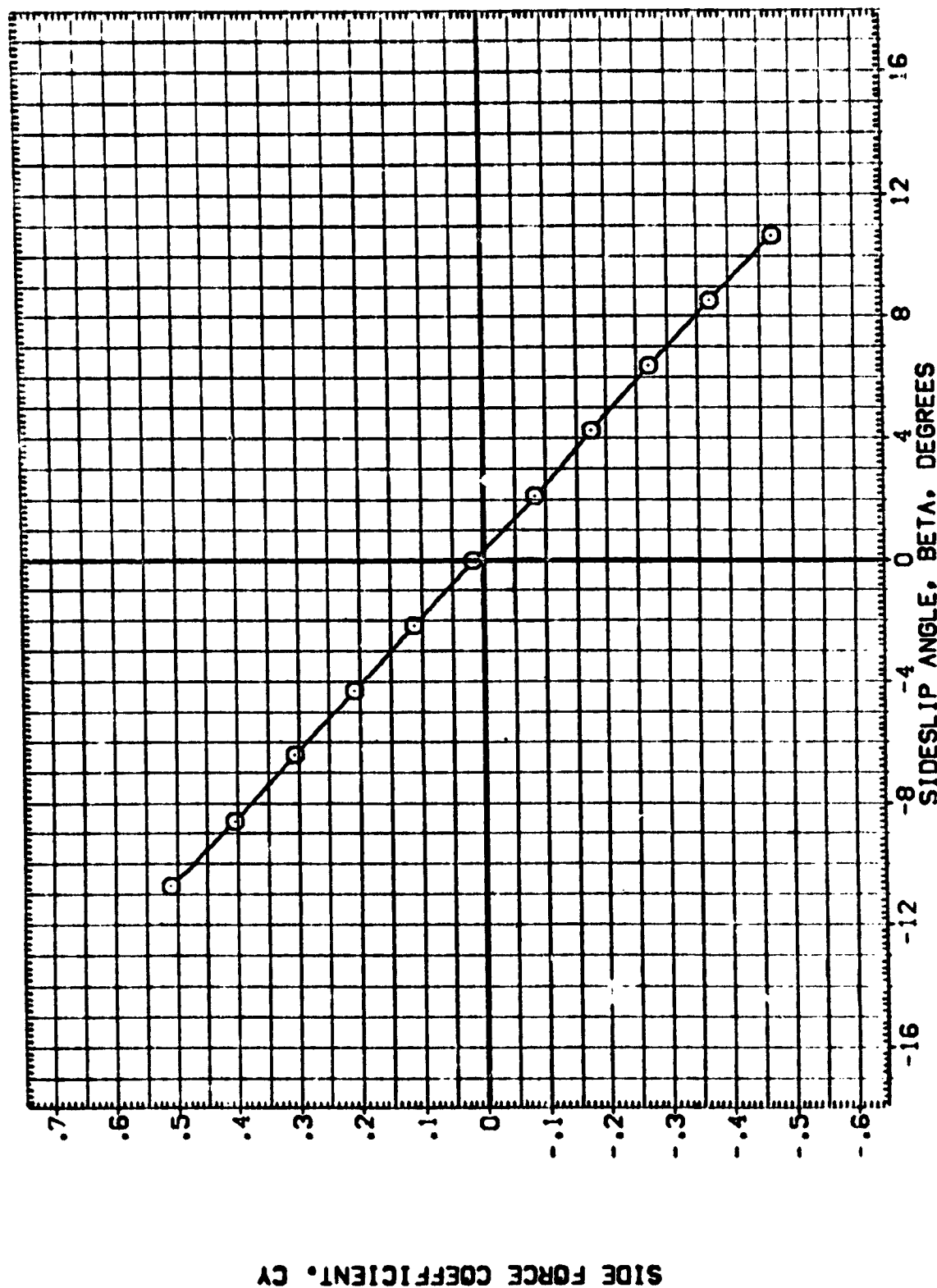
SIDESLIP ANGLE, BETA, DEGREES

LATERAL-DIRECTIONAL CHARACTERISTICS OF LAUNCH CONFIGURATION, ALPHA= 0.

(B)MACH = .90

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DATA SET SYMBOL CONFIGURATION DESCRIPTION IN
 (3-0007) 0 000 6-107-693 (1413) CONFIGURATION 02.7.57
 REFERENCE VALUES
 SREF 0.000
 LREF 0.000
 BREF 90.0000
 XMRP 176.0000
 YMRP 400.0000
 ZMRP 400.0100
 SCALE
 N: 11
 N: 11
 N: 11



LATERAL-DIRECTIONAL CHARACTERISTICS OF LAUNCH CONFIGURATION, ALPHA= 0.

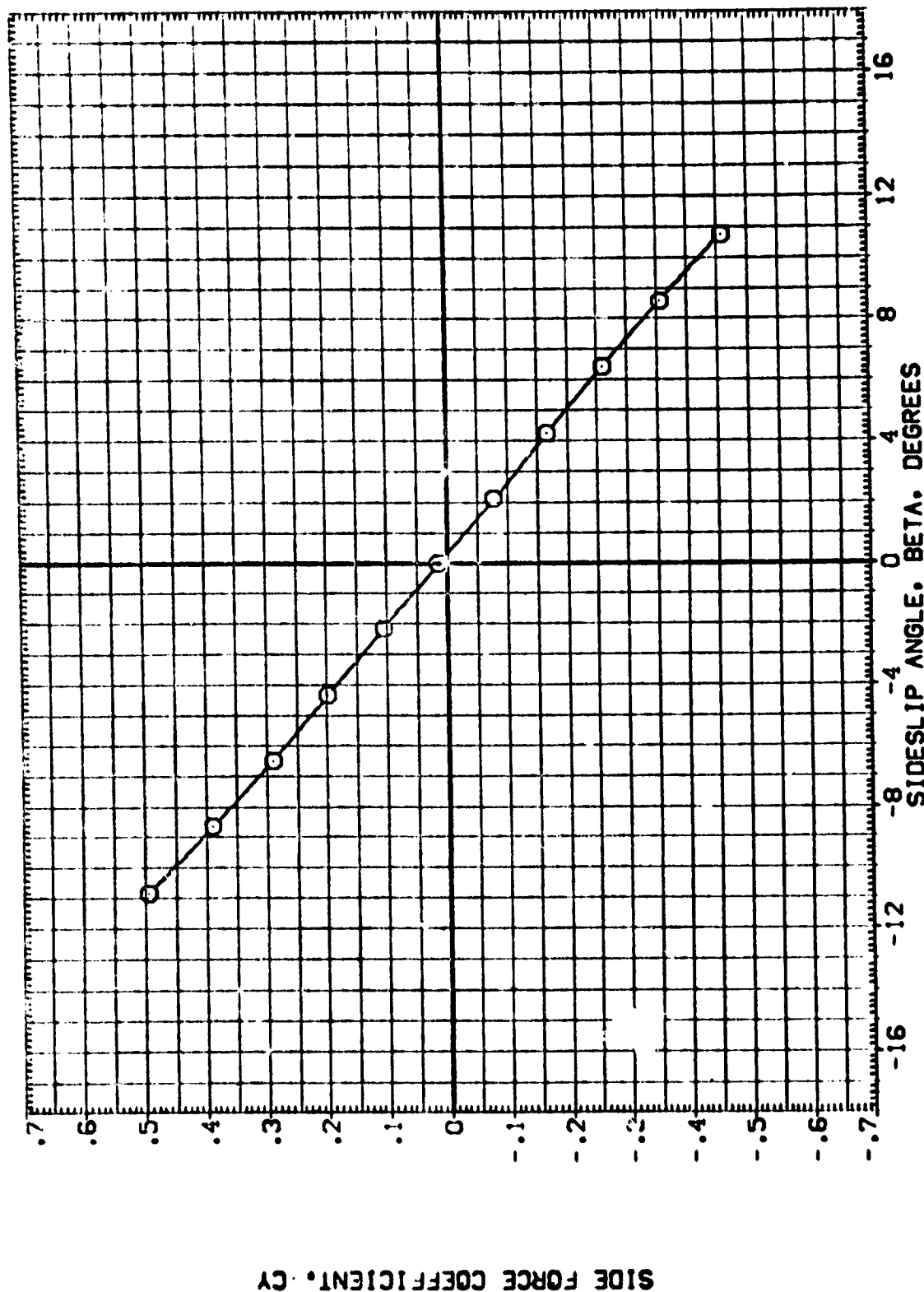
(C)MACH = .98

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DATA SET SYMBOL (8-0007) \odot CONFIGURATION DESCRIPTION LA-8-TPT-693 (1A13) CONFIGURATION 02/14/57

REFERENCE INFORMATION	
SREF	2690.0000
LREF	1290.3000
BREF	1290.3000
XMRP	576.0000
YMRP	.0000
ZMRP	400.0000
SCALE	.0100

SO. FT. INCHES
IN. YI
IN. ZI



LATERAL-DIRECTIONAL CHARACTERISTICS OF LAUNCH CONFIGURATION, ALPHA=0.

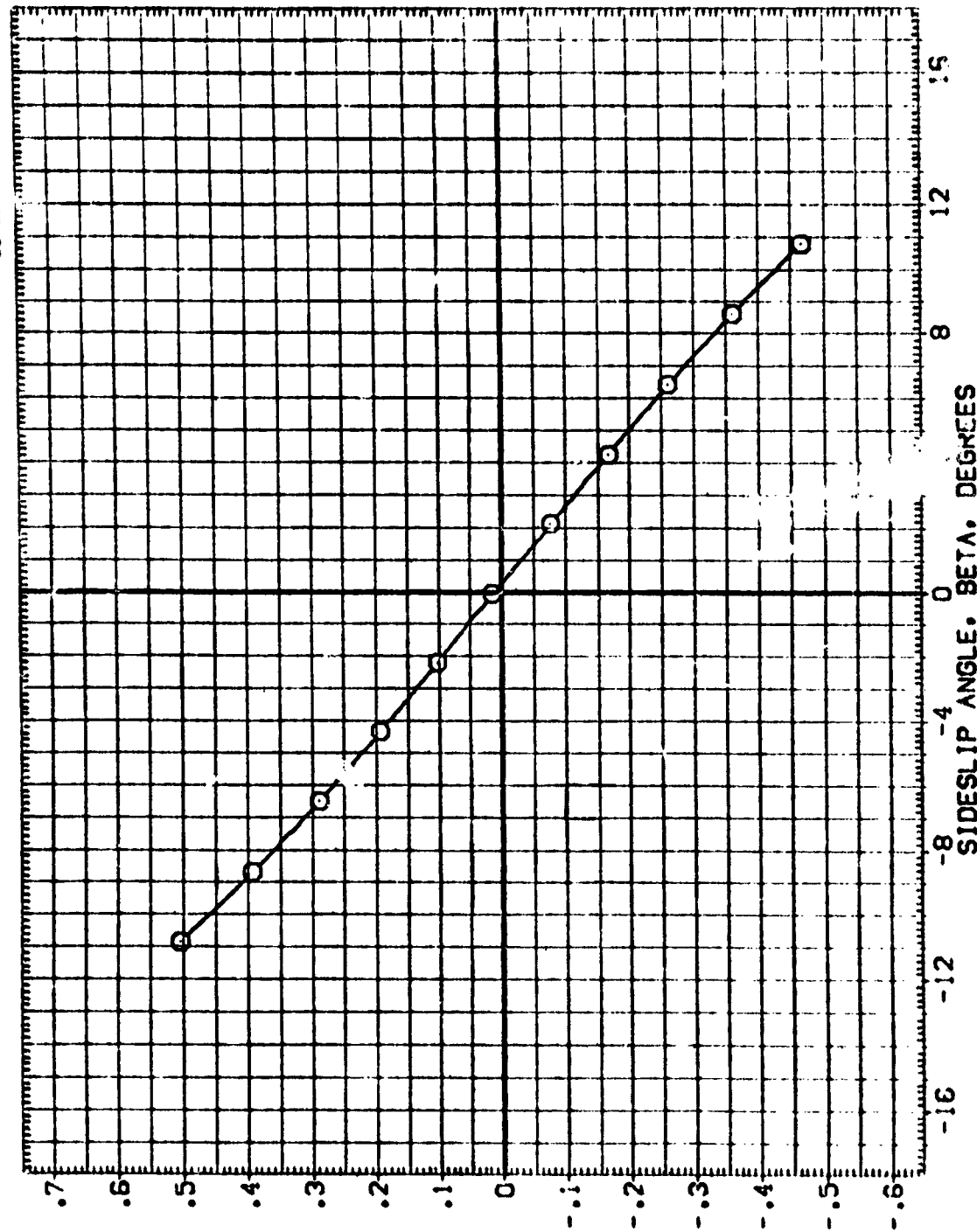
(\odot)MACH = 1.13

DATA SET 25000 CONFIGURATION DESCRIPTION
 (B-000) C ARE 8-101-553 (1-13) CONFIGURATION 52/14/57

ELV=0 ELV=1 ELV=2 ELV=3
 0.000 0.000 0.000 0.000

REF REF REF REF REF REF
 XREF XREF XREF XREF XREF XREF
 YREF YREF YREF YREF YREF YREF
 ZREF ZREF ZREF ZREF ZREF ZREF
 SCALE 400.0000 400.0000 400.0000 400.0000 400.0000 400.0000
 IN: 27

SIDE FORCE COEFFICIENT, CY



LATERAL-DIRECTIONAL CHARACTERISTICS OF LAUNCH CONFIGURATION, ALPHA= 0.

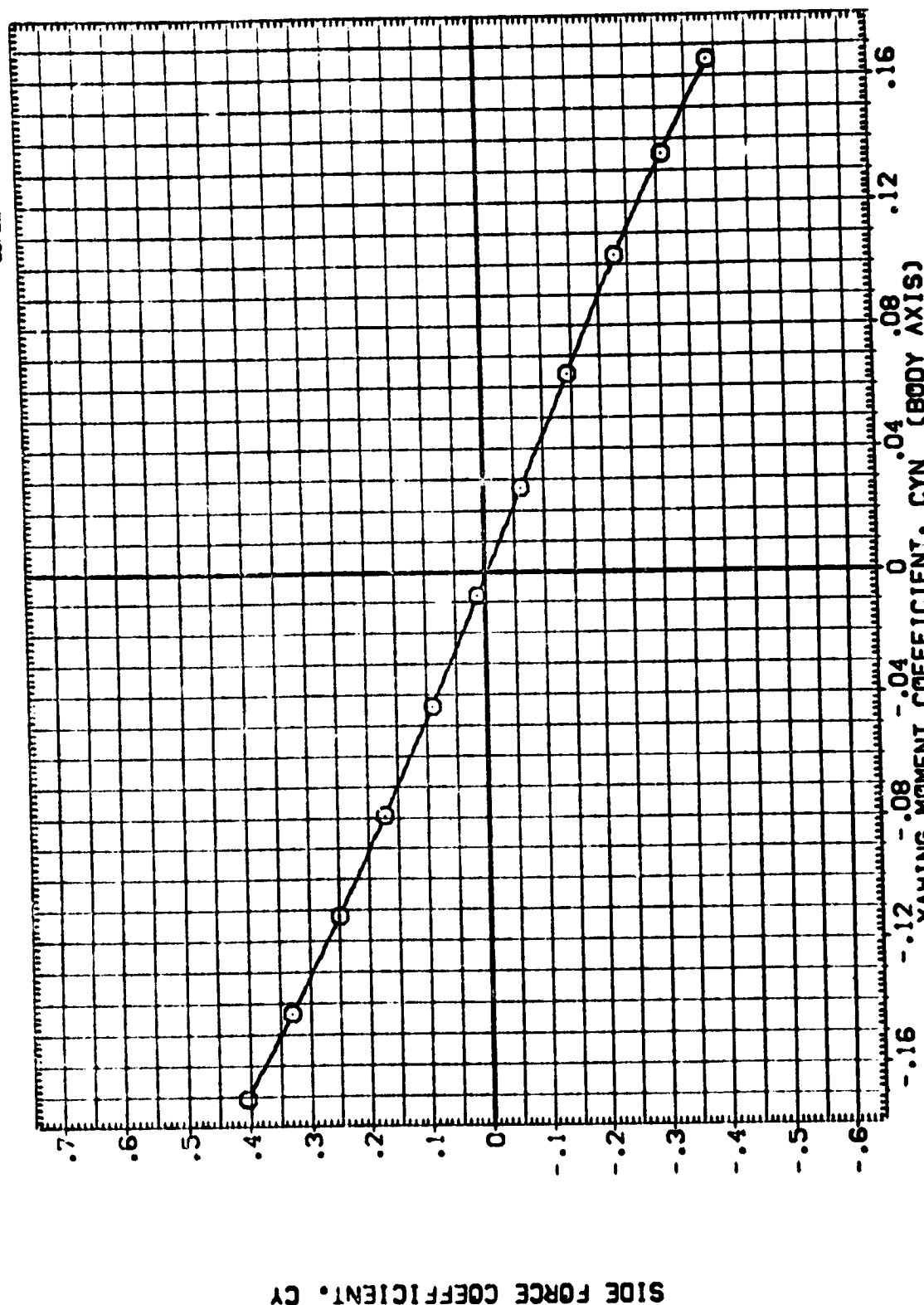
(E)MACH = 1.20

DATA SET SYMBOL (B-0007) ○

CONFIGURATION DESCRIPTION LARC 8-TPT-693 (1A43) CONFIGURATION 02/14/57

ELV-L0 ELV-L1 ELV-R1 ELV-R0

REFERENCE INFORMATION
SREF 2690.0000 SQ. FT.
LREF 1250.3000 IN.-ES
BREF 1250.3000 IN.-ES
XMRP 976.0000 IN. Y1
YMRP 400.0000 IN. Y1
ZMRP 400.0000 IN. Z1
SCALE .0100

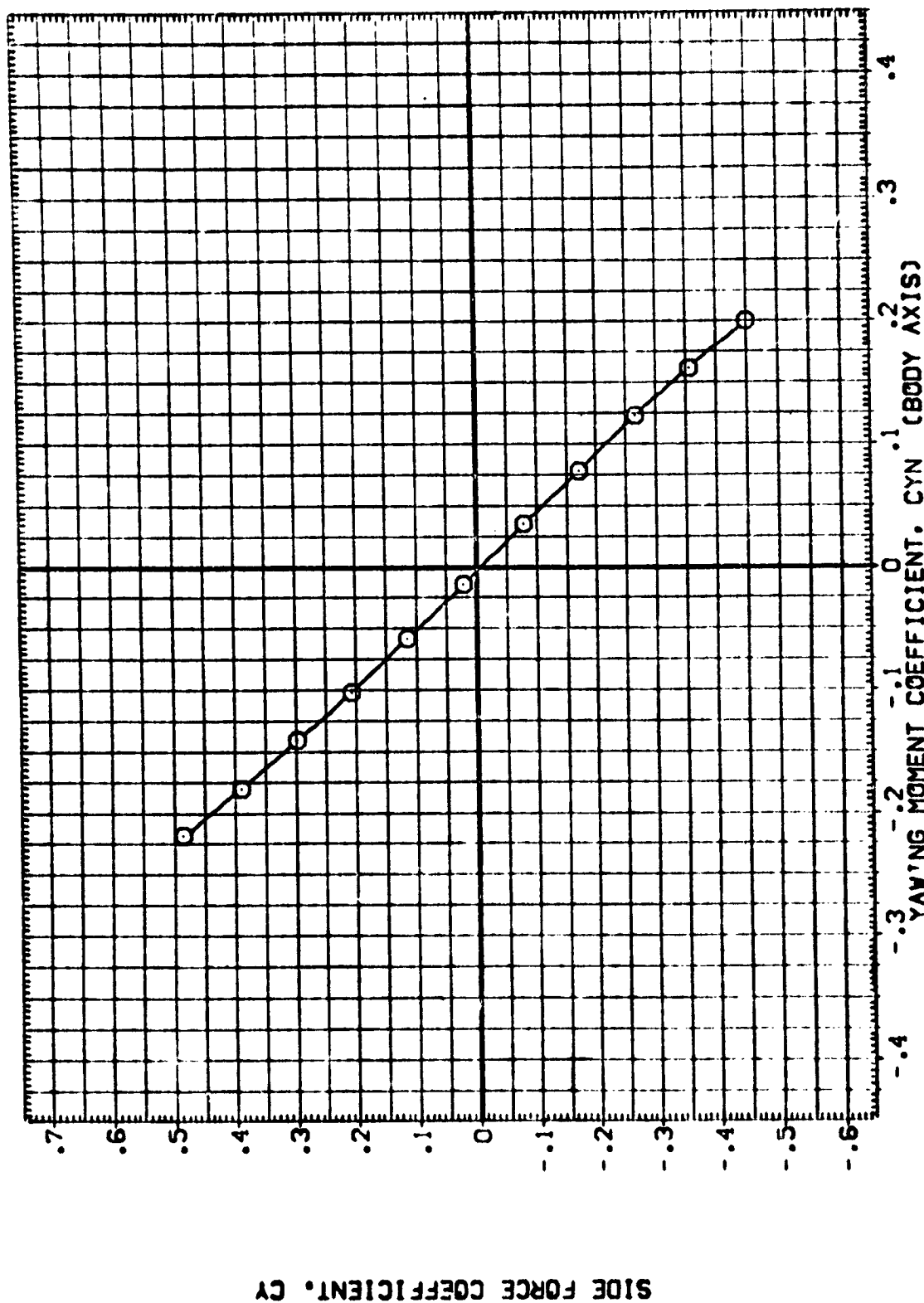


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LATERAL-DIRECTIONAL CHARACTERISTICS OF LAUNCH CONFIGURATION, ALPHA= 0.

(A)MACH = .60

REFLECT	INDEXES
SPRF	100.0000
LREF	20.0000
BREF	250.0000
XMPR	976.0000
YMPR	0.0000
ZMPR	400.0000
SCALE	.0100



LATERAL-DIRECTIONAL CHARACTERISTICS OF LAUNCH CONFIGURATION, ALPHA= 0.

СВ)МАСН = .90

PAGE 40

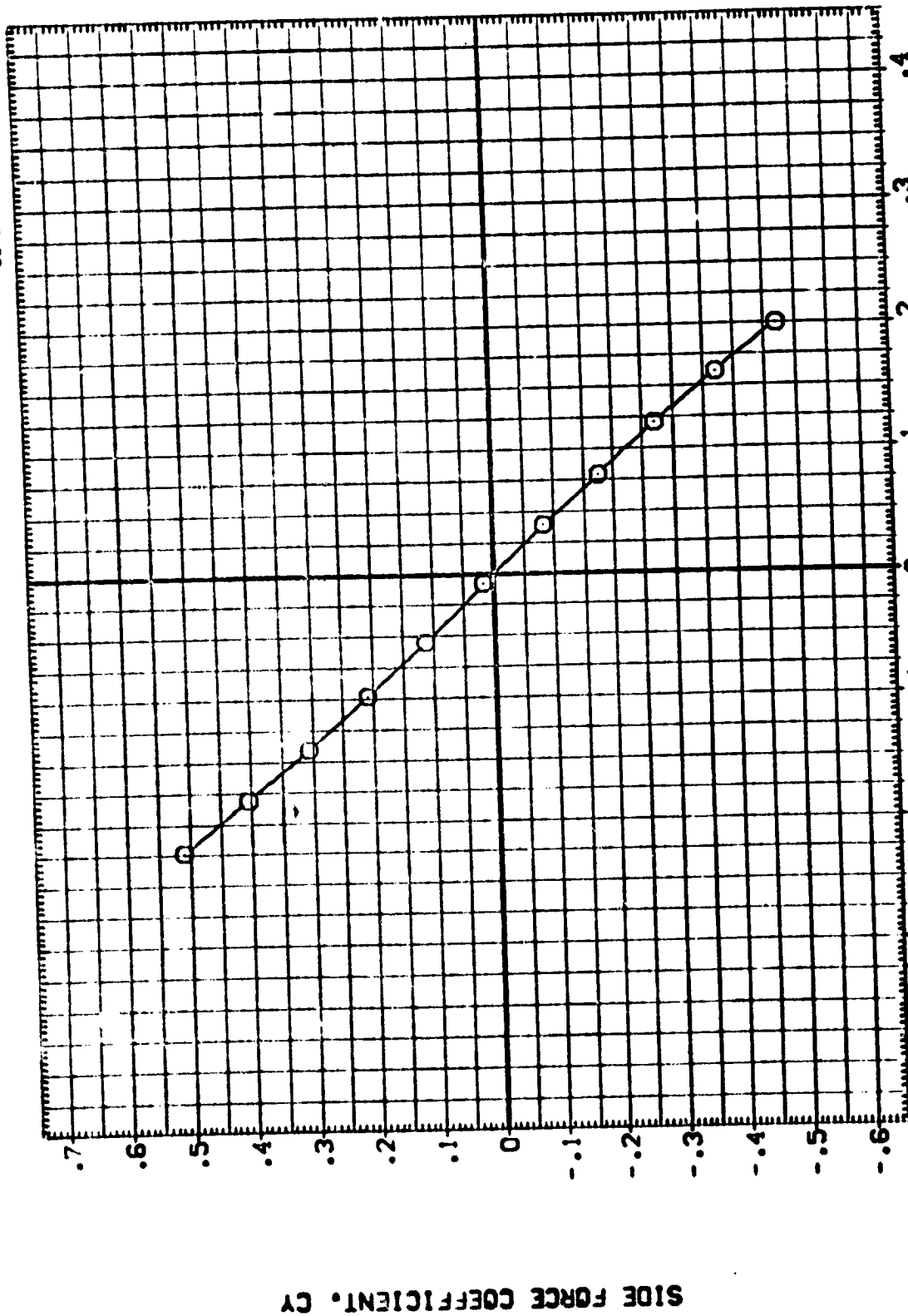
REFERENCE INFORMATION

SREF	2690.0000	50.FT.
LREF	1290.3000	INC-ES
BREF	1290.3000	INC-ES
XMRP	576.0000	IN. YI
YMRP	400.0000	IN. ZI
ZMRP	400.0000	
SCALE	.0100	

ELV-L0 ELV-L1 ELV-R1 ELV-R0

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(B-C007) O LARC 8-TPT-693 (1A43) CONFIGURATION 02/14/57



SIDE FORCE COEFFICIENT, CY

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

LATERAL-DIRECTIONAL CHARACTERISTICS OF LAUNCH CONFIGURATION, ALPHA= 0.

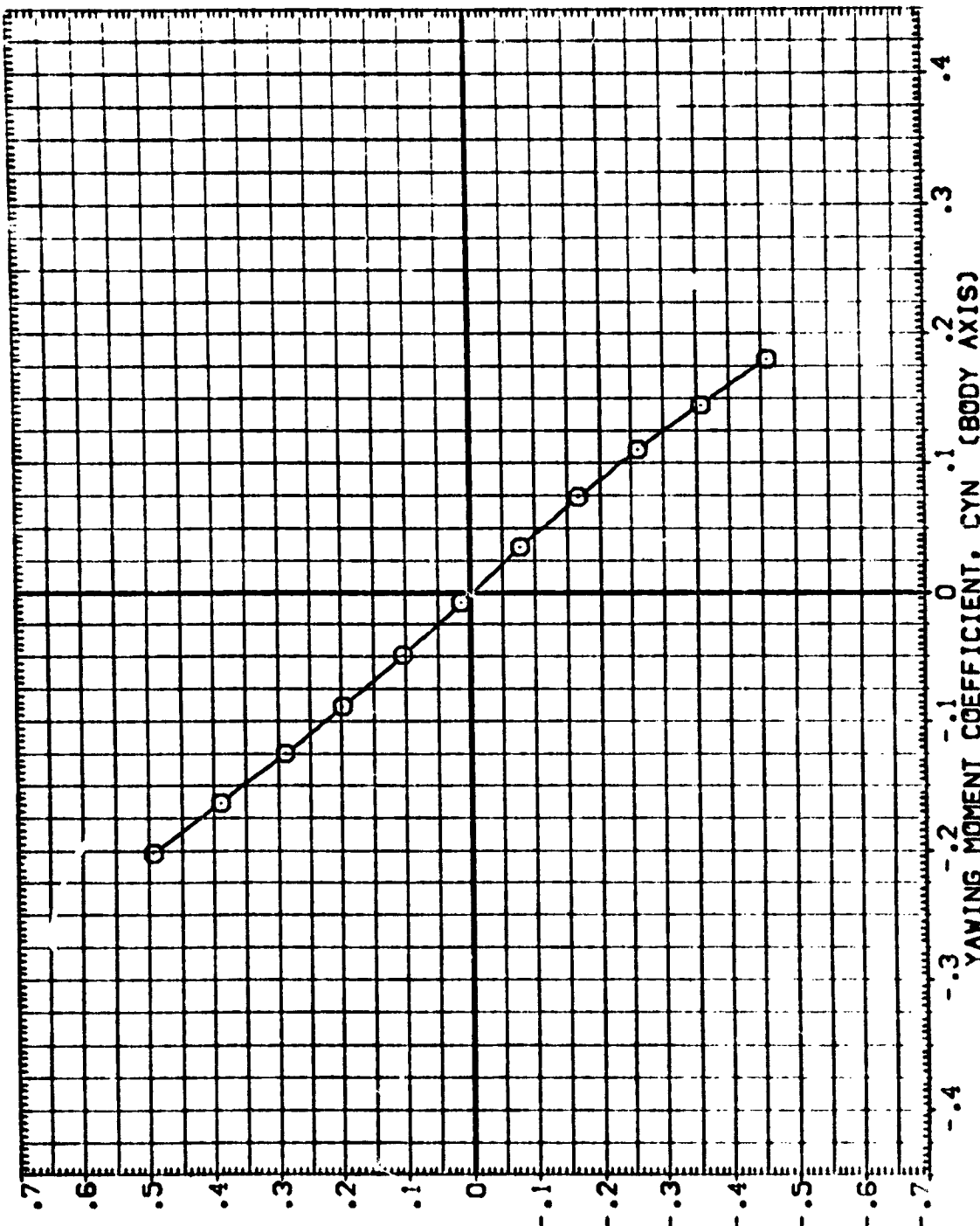
(C)MACH = .98

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REFERENCE
 SPEC 100.000
 LREF 100.000
 BREF 50.000
 XMRP 976.0000
 YMRP 400.0000
 ZMRP 400.0000
 SCALE .0100

ELEVATION
 ELEVATION
 ELEVATION
 ELEVATION

DATA SET 345678
 CONFIGURATION 32/14/57
 DATE 9-15-68 (1413)



LATERAL-DIRECTIONAL CHARACTERISTICS OF LAUNCH CONFIGURATION, ALPHA= 0.

COMMACH = .13

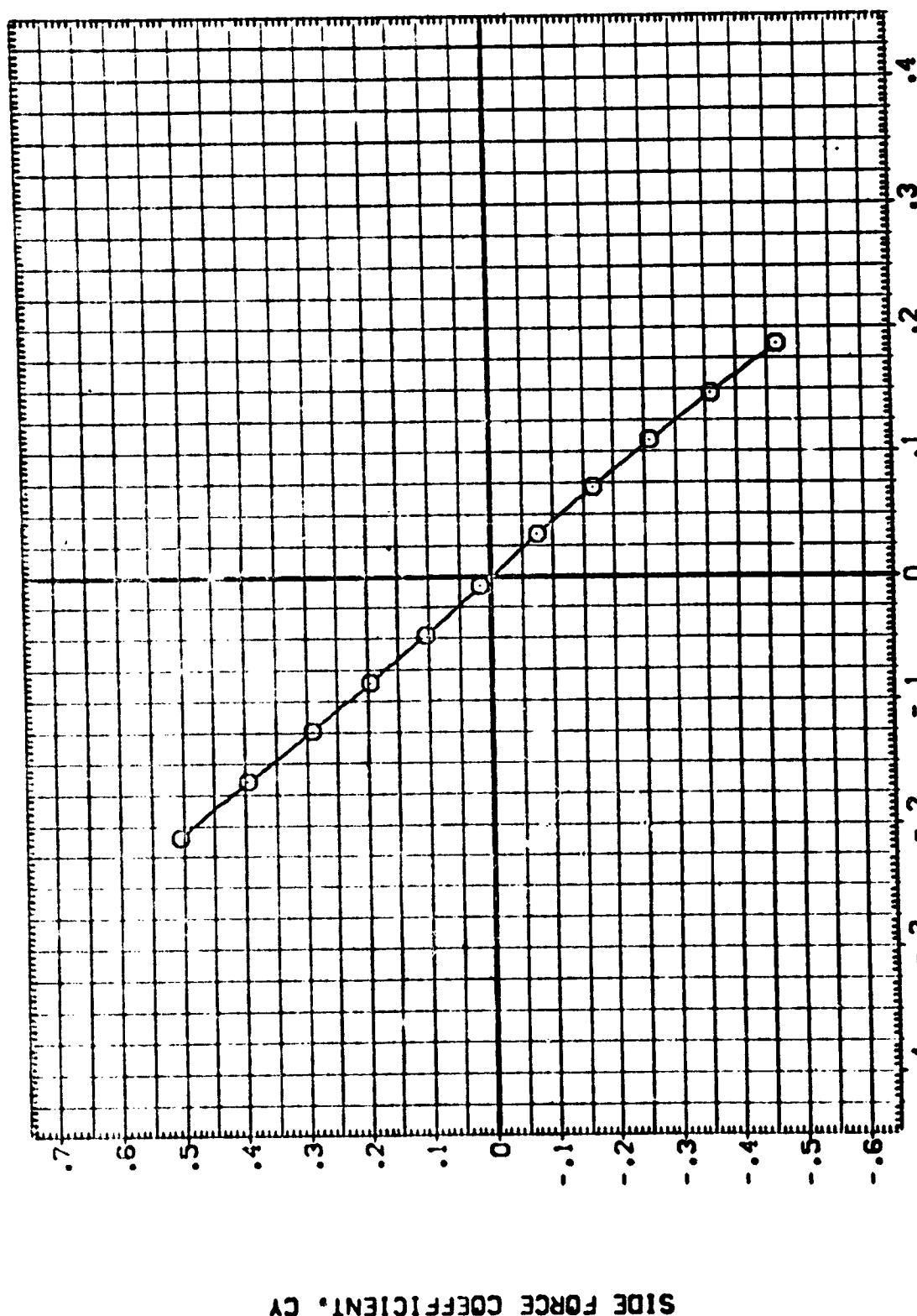
DATA SET SYMB. (B-007) CONFIGURATION DESCRIPTION LARC 8-101-693 (1A13) CONFIGURATION 02/14/57

ELV-L0 ELV-L1 ELV-R1 ELV-R0

02/14/57

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
LREF 1290.3000 INCHES
BREF 1290.3000 INCHES
XMRP 976.0000 IN. XT
YMRP 400.0000 IN. YT
ZMRP 400.0000 IN. ZT
SCALE .0100



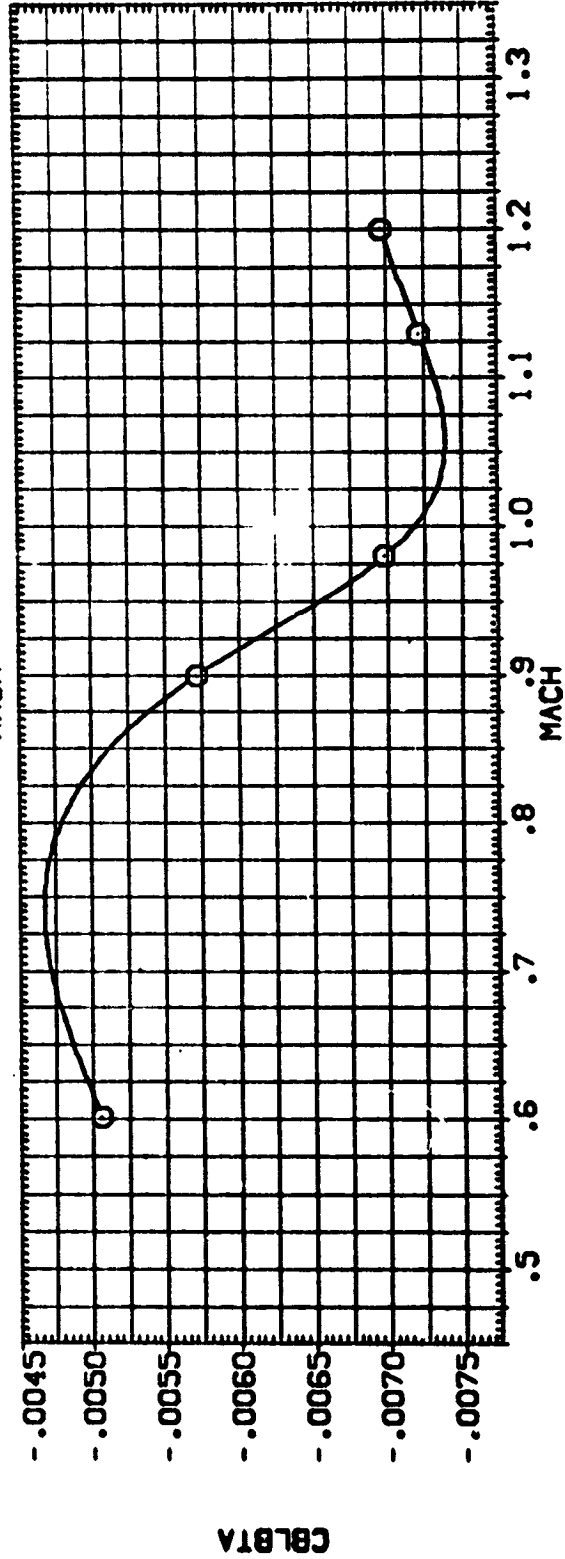
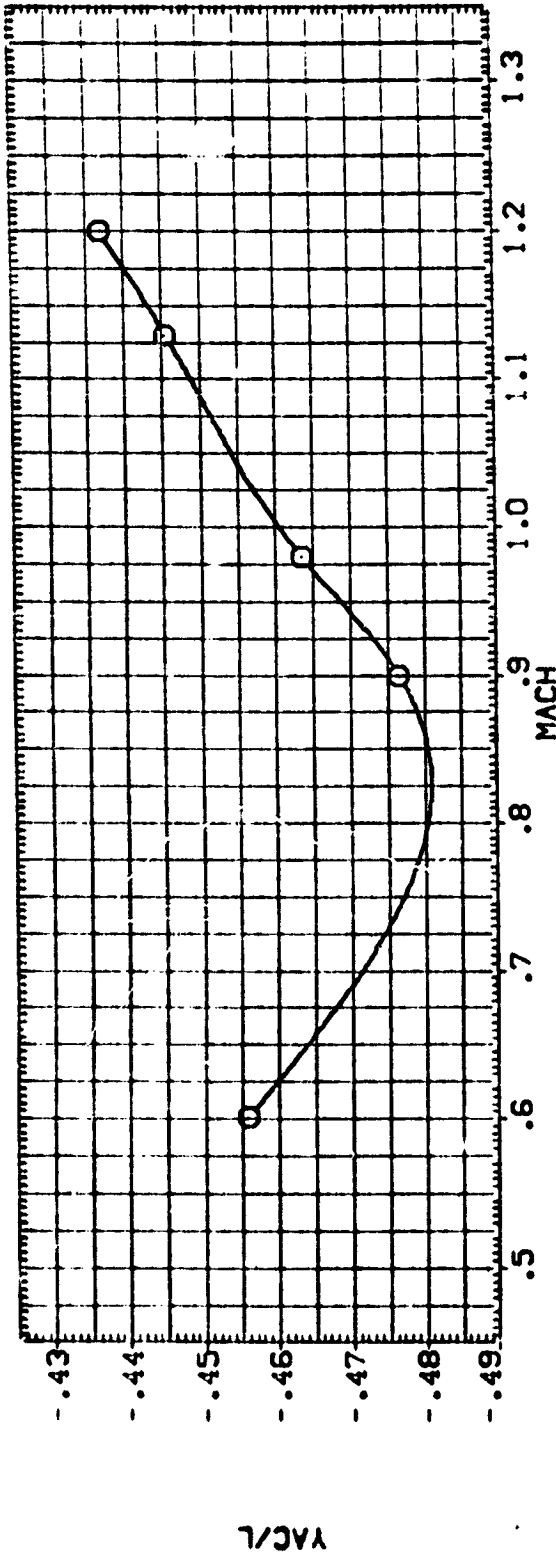
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(E)MACH = 1.20

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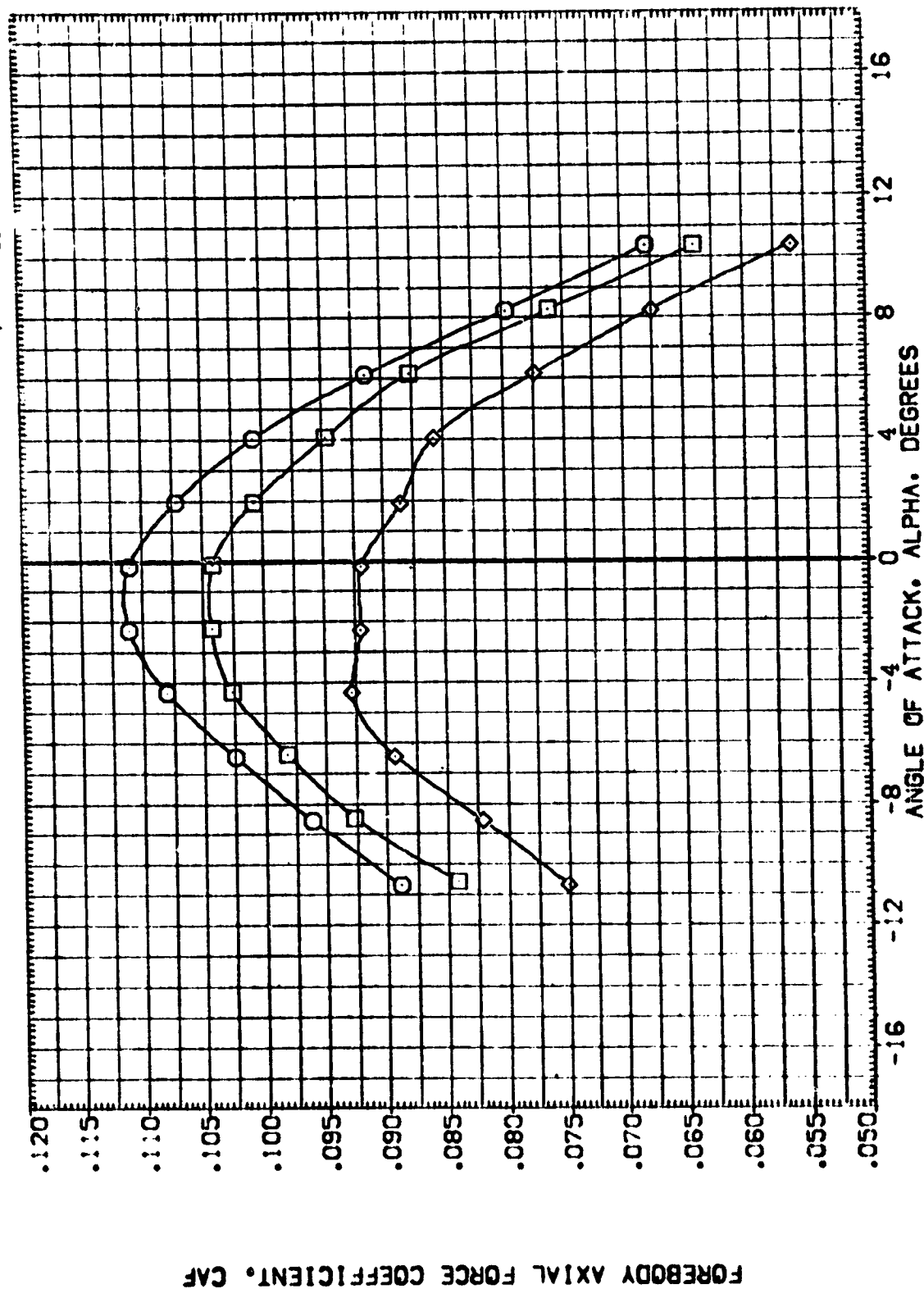
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B-0007) O LARC 8-TPT-653 (1A13) CONFIGURATION 02/14/57

REFERENCE INFORMATION
 SREF 2630.0000 SO.FT.
 LREF 1250.3000 INCHES
 BREF 1250.3000 INCHES
 XREF 576.0000 IN. XT
 YREF 400.0000 IN. YT
 ZREF 400.0000 IN. ZT
 SCALE .0100



LATERAL-DIRECTIONAL CHARACTERISTICS OF LAUNCH CONFIGURATION, ALPHA= 0.

DATE	TIME	STATION	TYPE	AMOUNT	BALANCE	CHECK NO.	REMARKS
10/1/77	10:00	STATION	DEPOSIT	100.00	100.00		
10/2/77	10:00	STATION	DEPOSIT	100.00	200.00		
10/3/77	10:00	STATION	DEPOSIT	100.00	300.00		
10/4/77	10:00	STATION	DEPOSIT	100.00	400.00		
10/5/77	10:00	STATION	DEPOSIT	100.00	500.00		
10/6/77	10:00	STATION	DEPOSIT	100.00	600.00		
10/7/77	10:00	STATION	DEPOSIT	100.00	700.00		
10/8/77	10:00	STATION	DEPOSIT	100.00	800.00		
10/9/77	10:00	STATION	DEPOSIT	100.00	900.00		
10/10/77	10:00	STATION	DEPOSIT	100.00	1000.00		
10/11/77	10:00	STATION	DEPOSIT	100.00	1100.00		
10/12/77	10:00	STATION	DEPOSIT	100.00	1200.00		
10/13/77	10:00	STATION	DEPOSIT	100.00	1300.00		
10/14/77	10:00	STATION	DEPOSIT	100.00	1400.00		
10/15/77	10:00	STATION	DEPOSIT	100.00	1500.00		
10/16/77	10:00	STATION	DEPOSIT	100.00	1600.00		
10/17/77	10:00	STATION	DEPOSIT	100.00	1700.00		
10/18/77	10:00	STATION	DEPOSIT	100.00	1800.00		
10/19/77	10:00	STATION	DEPOSIT	100.00	1900.00		
10/20/77	10:00	STATION	DEPOSIT	100.00	2000.00		
10/21/77	10:00	STATION	DEPOSIT	100.00	2100.00		
10/22/77	10:00	STATION	DEPOSIT	100.00	2200.00		
10/23/77	10:00	STATION	DEPOSIT	100.00	2300.00		
10/24/77	10:00	STATION	DEPOSIT	100.00	2400.00		
10/25/77	10:00	STATION	DEPOSIT	100.00	2500.00		
10/26/77	10:00	STATION	DEPOSIT	100.00	2600.00		
10/27/77	10:00	STATION	DEPOSIT	100.00	2700.00		
10/28/77	10:00	STATION	DEPOSIT	100.00	2800.00		
10/29/77	10:00	STATION	DEPOSIT	100.00	2900.00		
10/30/77	10:00	STATION	DEPOSIT	100.00	3000.00		
10/31/77	10:00	STATION	DEPOSIT	100.00	3100.00		
11/1/77	10:00	STATION	DEPOSIT	100.00	3200.00		
11/2/77	10:00	STATION	DEPOSIT	100.00	3300.00		
11/3/77	10:00	STATION	DEPOSIT	100.00	3400.00		
11/4/77	10:00	STATION	DEPOSIT	100.00	3500.00		
11/5/77	10:00	STATION	DEPOSIT	100.00	3600.00		
11/6/77	10:00	STATION	DEPOSIT	100.00	3700.00		
11/7/77	10:00	STATION	DEPOSIT	100.00	3800.00		
11/8/77	10:00	STATION	DEPOSIT	100.00	3900.00		
11/9/77	10:00	STATION	DEPOSIT	100.00	4000.00		
11/10/77	10:00	STATION	DEPOSIT	100.00	4100.00		
11/11/77	10:00	STATION	DEPOSIT	100.00	4200.00		
11/12/77	10:00	STATION	DEPOSIT	100.00	4300.00		
11/13/77	10:00	STATION	DEPOSIT	100.00	4400.00		
11/14/77	10:00	STATION	DEPOSIT	100.00	4500.00		
11/15/77	10:00	STATION	DEPOSIT	100.00	4600.00		
11/16/77	10:00	STATION	DEPOSIT	100.00	4700.00		
11/17/77	10:00	STATION	DEPOSIT	100.00	4800.00		
11/18/77	10:00	STATION	DEPOSIT	100.00			



EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

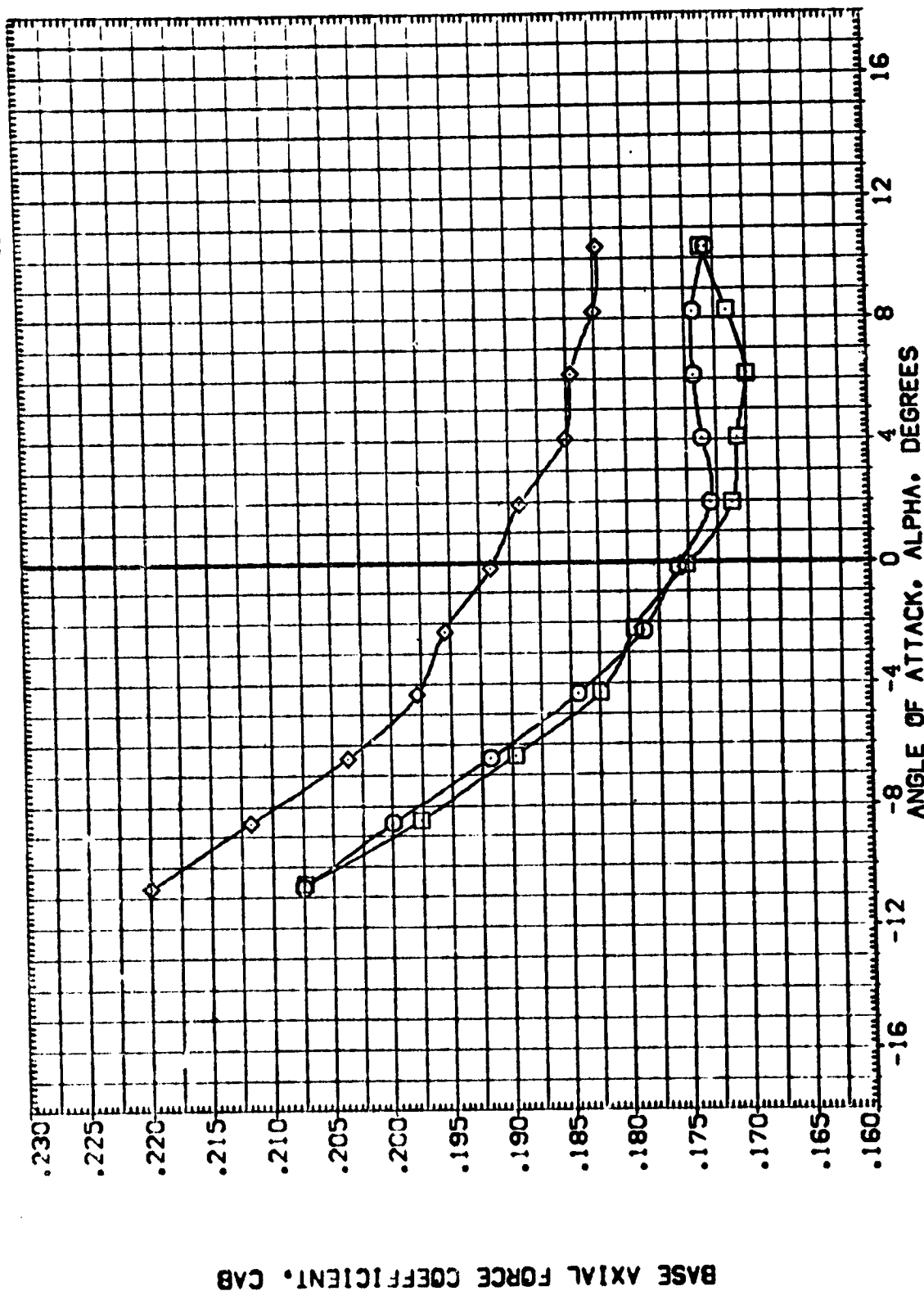
PAGE 46

$$\dot{A}3MACH = .60$$

DATA SET SYMBOL: [B-001:7] [B-006] [B-001:6]
 CONFIGURATION DESCRIPTION: LARC 8-TPT-93 [A43] CONFIGURATION 02/14/57
 LARC 8-TPT-93 [A43] CONFIGURATION 02/14/57
 LARC 8-TPT-93 [A43] CONFIGURATION 02/14/57

BETA: -5.000
 ELV-LI: .000
 ELV-RI: .000
 RUDDER: .000

REFERENCE INFORMATION: SQ.FT. 2690.0000
 SREF: 1290.0000
 LREF: 1290.0000
 BREF: 1290.0000
 XMRP: 576.0000
 YMRP: 400.0000
 ZMRP: .0100
 SCALE: .0100



EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

SDEF	90.000
REF	90.000
BREF	90.000
XWRP	976.0000
YWRP	400.0000
ZWRP	.0100
SCALE	

The graph shows a linear relationship between the angle of attack and the ratio of the maximum to the minimum value of the function. The data points are as follows:

Angle of Attack (Degrees)	Ratio of Maximum to Minimum Value
-14	-0.25
-10	-0.18
-6	-0.12
-2	-0.06
2	0.06
6	0.12
10	0.18
14	0.25

(A)MACH = .60



DATA SET SYMBOL: B-C017
 B-C006
 B-C016

CONFIGURATION DESCRIPTION: LARC 8-TPT-693 (A43)
 LARC 8-TPT-693 (A43)
 LARC 8-TPT-693 (A43)

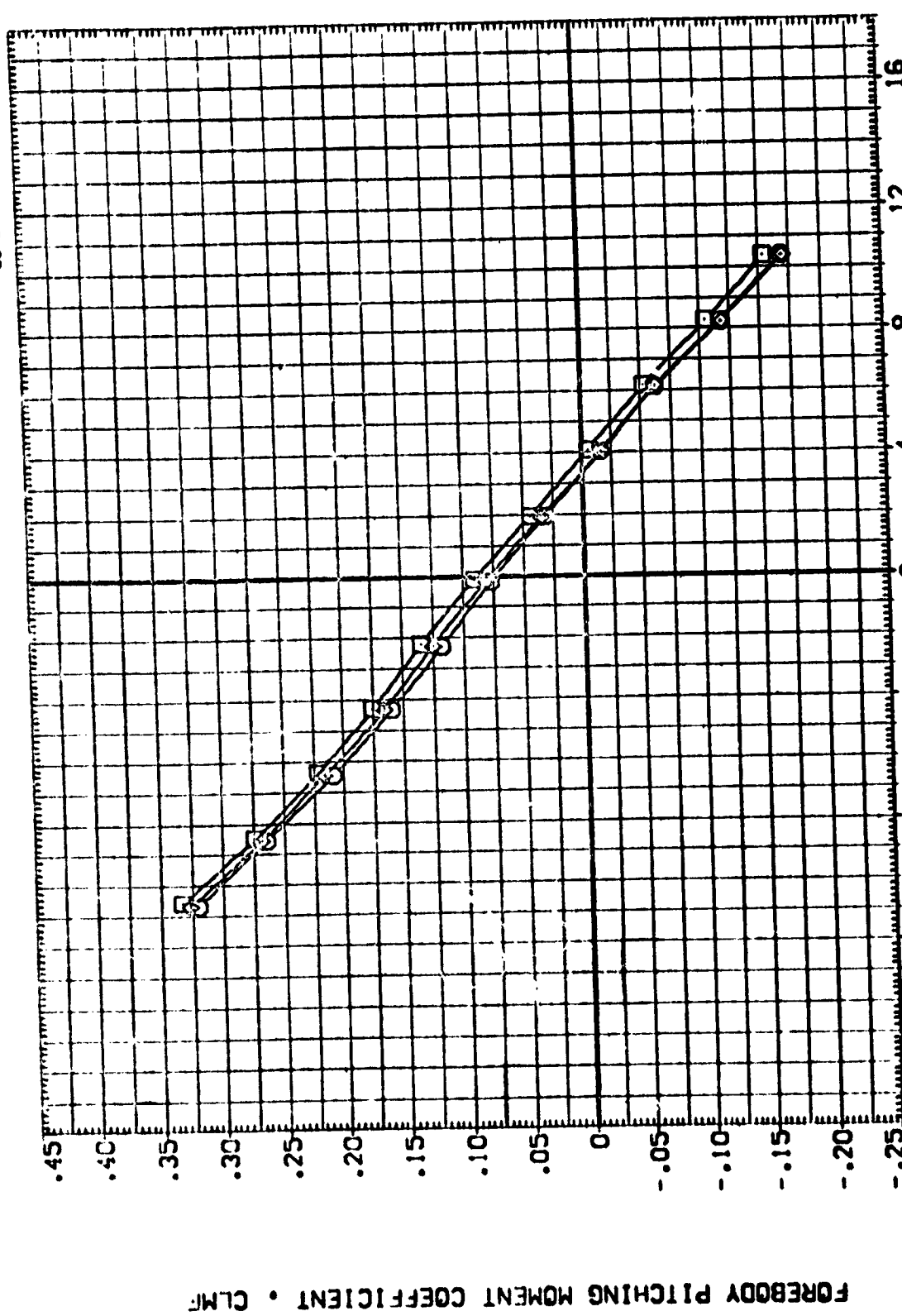
BETA: -5.000
 -5.000
 5.000

ELV-LI: .000
 .000
 .000

ELV-RI: .000
 .000
 .000

RUDER: .000
 .000
 .000

REFERENCE INFORMATION: SQ.FT. 2690.0000
 SREF 1290.3000
 LREF 1290.3000
 BREF 1290.3000
 XPRP 576.0000
 YPRP 400.0000
 ZPRP 400.0100
 IN. XT
 IN. YT
 IN. ZT

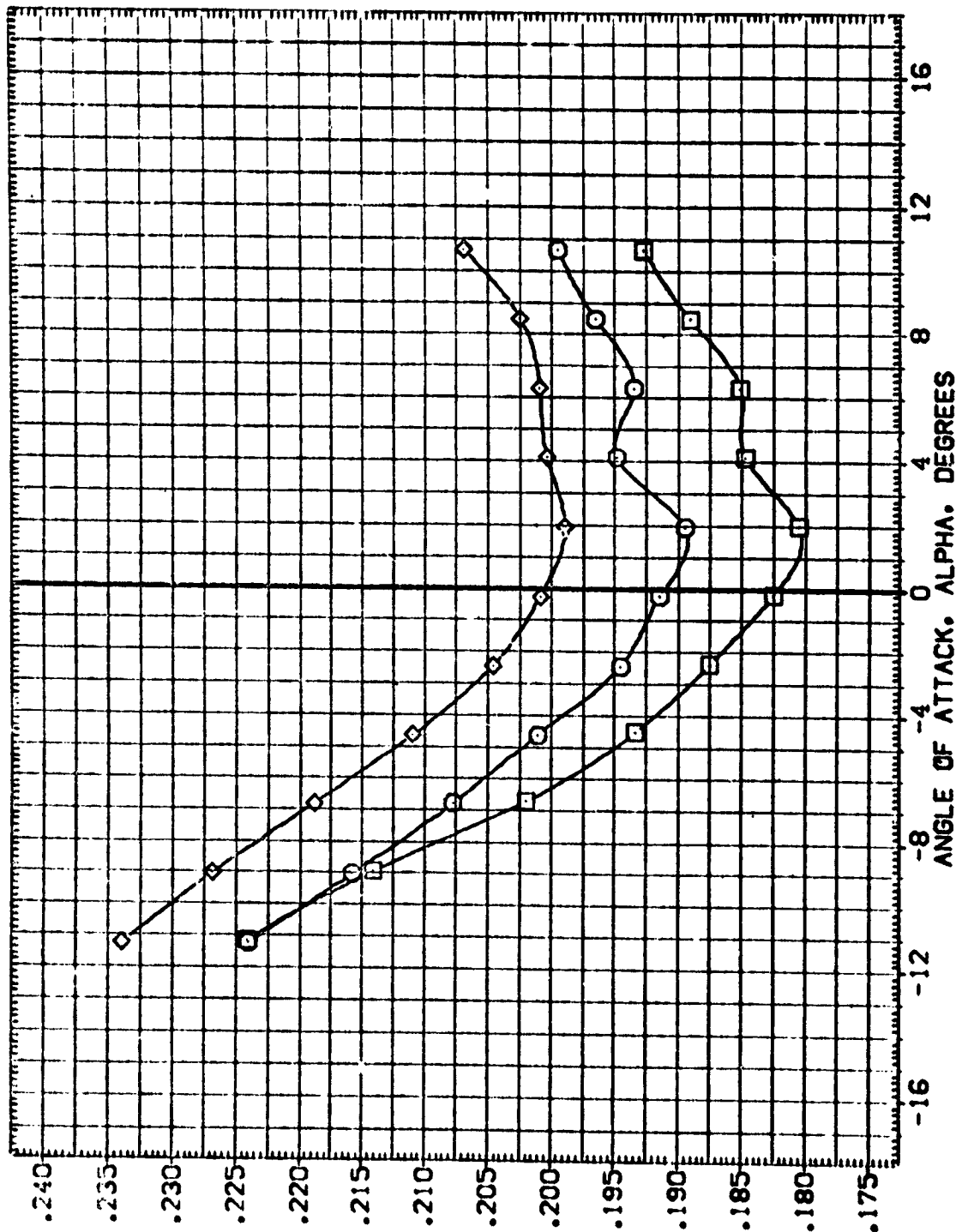


EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(A)MACH = .60

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELV-LJ	ELV-RJ	RUDDER	REFERENCE INFORMATION
[B-CO:7]	LARC 8-TPT-893 [1A13] CONF [BURAT] ON 02/14/57	-5.000	.000	.000	.000	SREF 2690.0000 SQ. FT.
[B-CO:8]	LARC 8-TPT-893 [1A13] CONF [BURAT] ON 02/14/57	.000	.000	.000	.000	LREF 1290.3000 INC-ES
[B-CO:9]	LARC 8-TPT-893 [1A13] CONF [BURAT] ON 02/14/57	5.000	.000	.000	.000	SREF 1290.3000 INC-ES
						XTRP 576.0000 IN. XT
						YTRP .0000 IN. YT
						ZTRP 400.0000 IN. ZT
						SCALE .0100

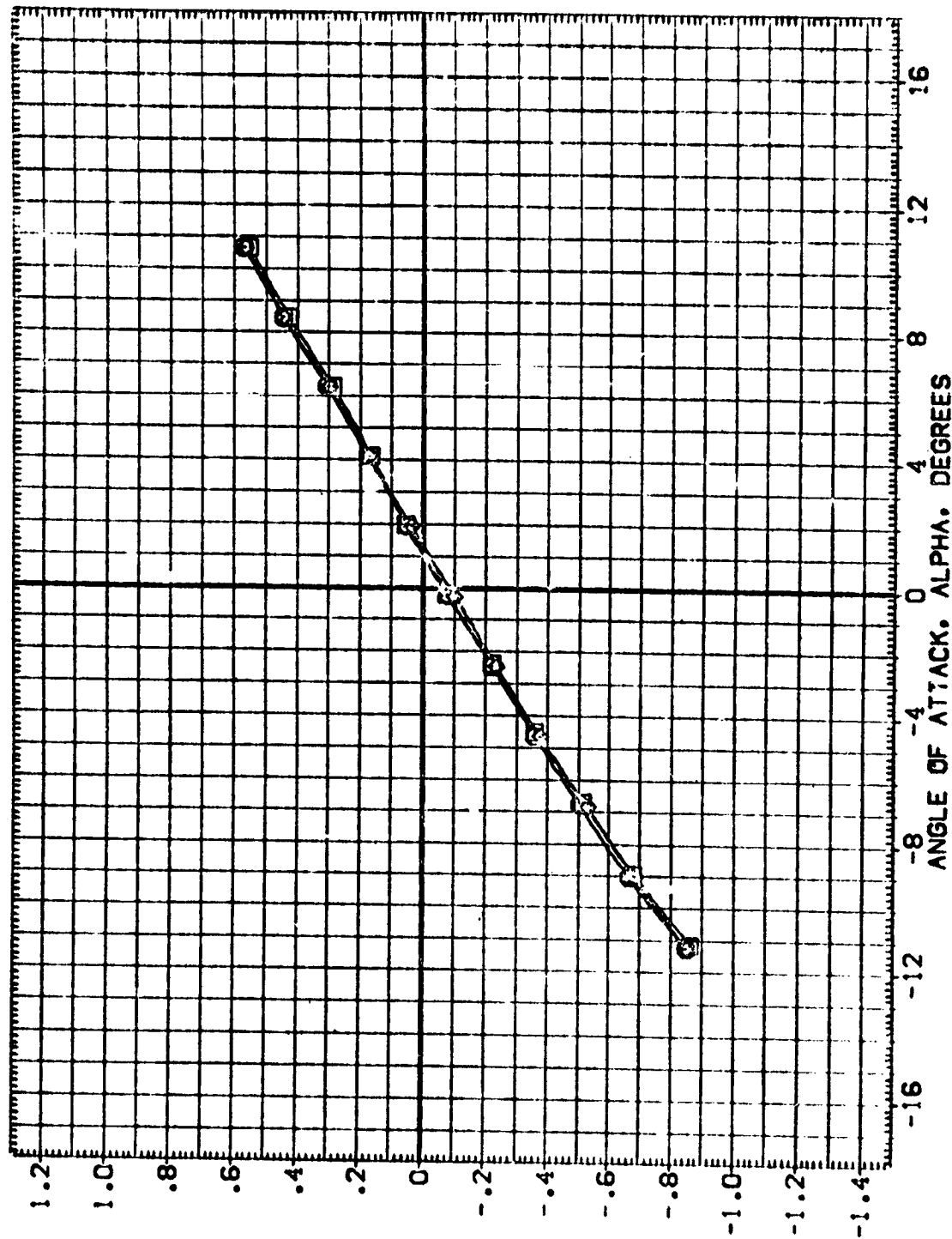


EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(B)MACH = .90

PAGE

51

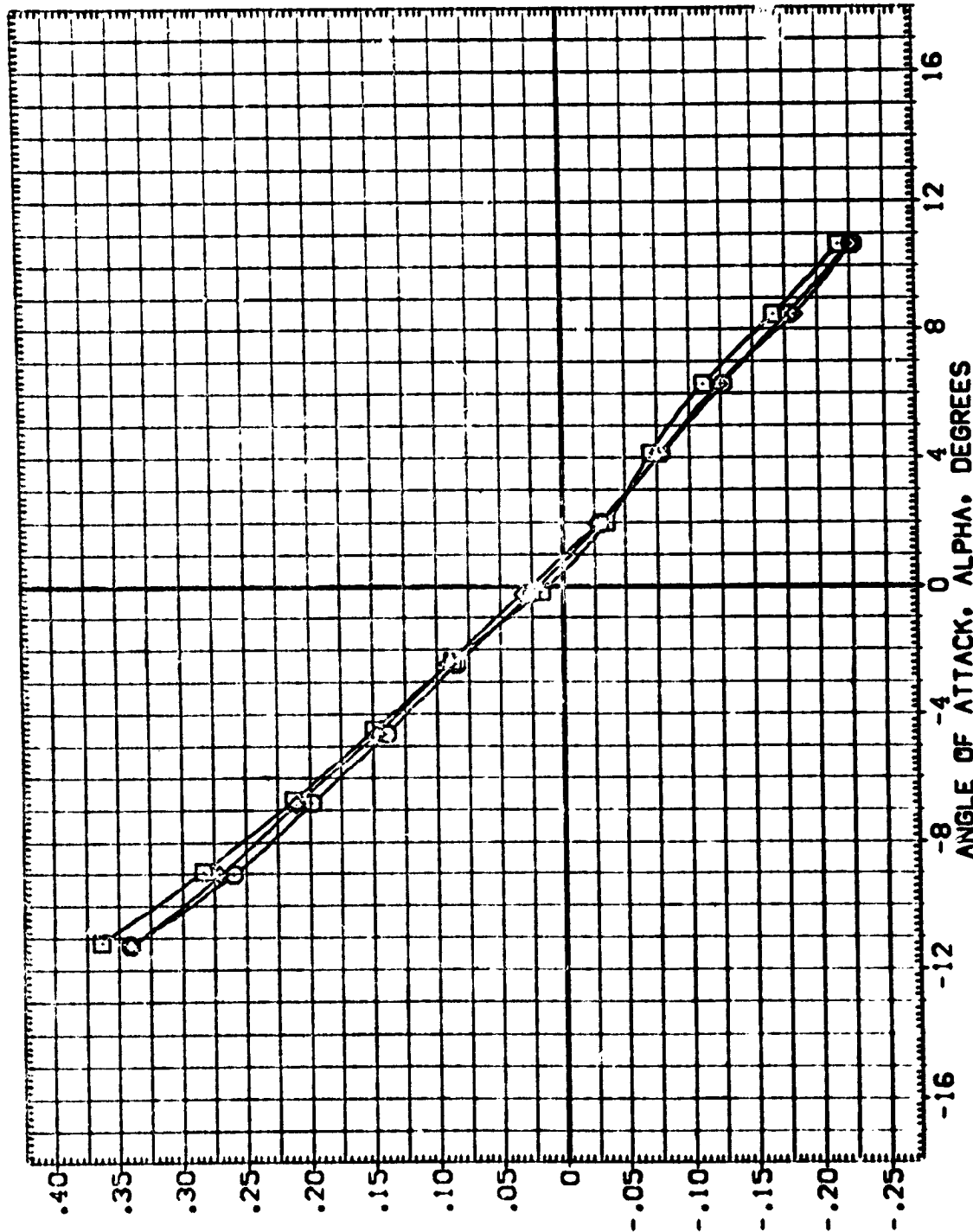
[illegible]

EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

$$\text{CBIMACH} = .90$$

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELV-LI	ELV-RI	RUDDER	REFERENCE INFORMATION
{B-C017}	LARC 8-TPT-693 {1A13} CONFIGURATION 02/14/57	-5.000	.000	.000	.000	SREF 2690.0000 SQ.FT.
{B-C006}	LARC 8-TPT-693 {1A13} CONFIGURATION 02/14/57	.000	.000	.000	.000	LREF 1250.3000 INCHES
{B-C016}	LARC 8-TPT-693 {1A13} CONFIGURATION 02/14/57	5.000	.000	.000	.000	BREF 1250.3000 INCHES
						XREF 976.0000 IN. XT
						YREF 400.0000 IN. YT
						ZREF 400.0000 IN. ZT
						SCALE .0100



EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(B)MACH = .90

DATA SET 5480L CDF GURATION DESCRIPTION
 B-C017) C LARC 8-1P1-693 (A43) CDF GURATION 02/14/57
 B-C006) C LARC 8-1P1-693 (A43) CDF GURATION 02/14/57
 B-C016) C LARC 8-1P1-693 (A43) CDF GURATION 02/14/57

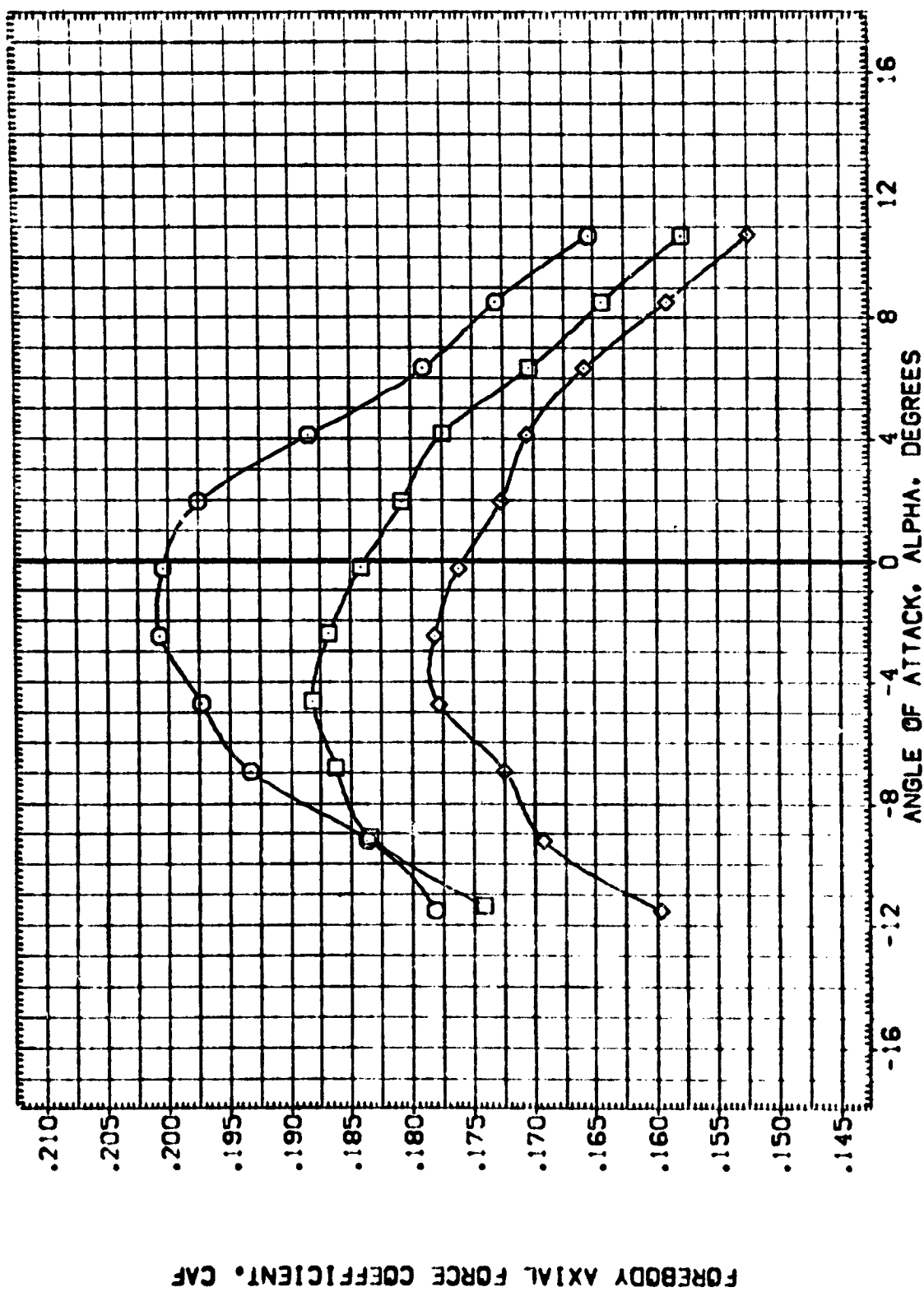
BETA -5.000
 -5.000
 5.000

CLV-01 0.000
 0.000
 0.000

RUDDER 0.000
 0.000
 0.000

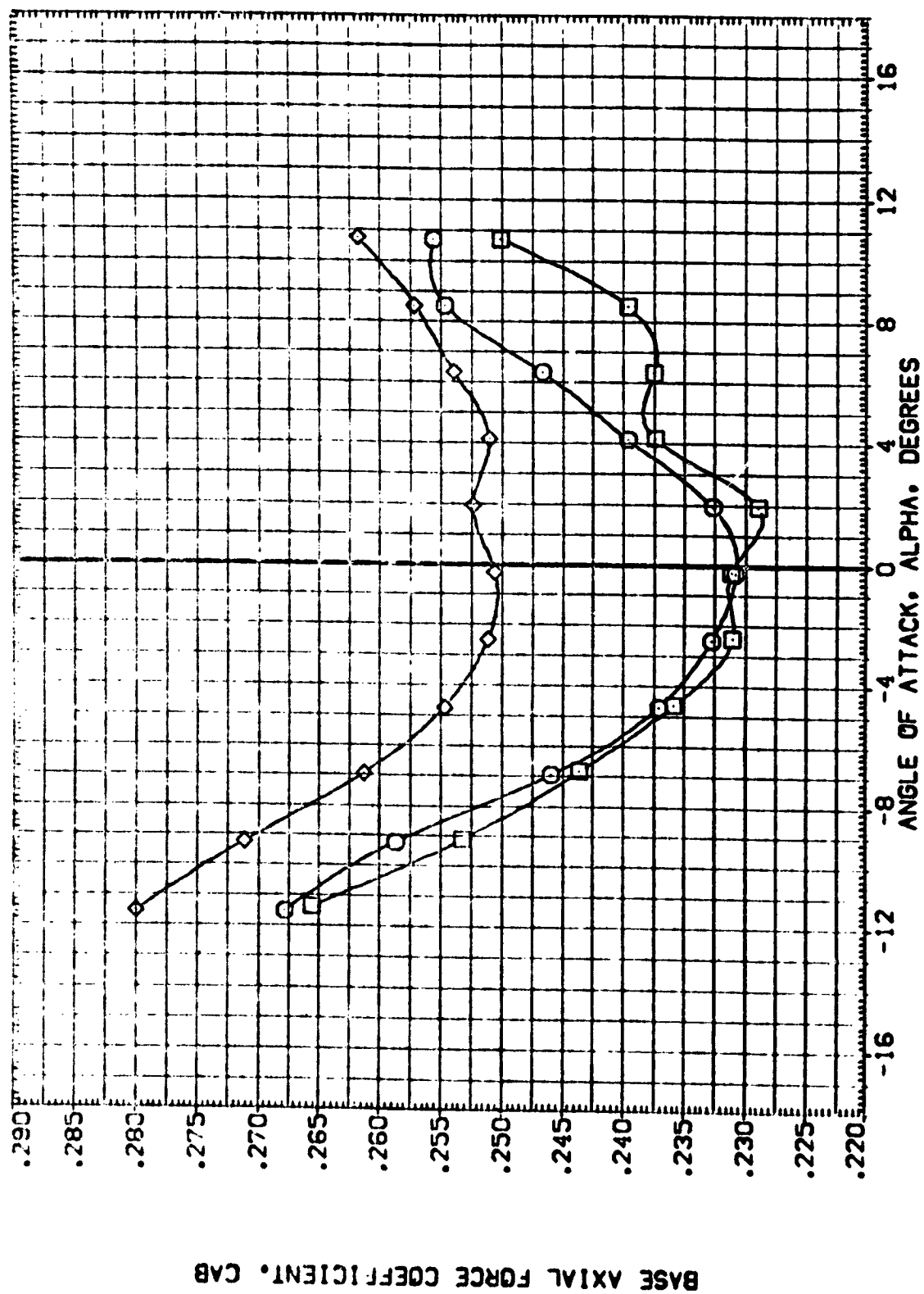
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 LREF 0.0000
 BREF 0.0000
 XPRP 976.0000
 YPRP 400.0000
 ZPRP 0.0000
 SCALE 0.0100

IN. X1
 IN. Y1
 IN. Z1



EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELV-LI	ELV-RI	RUDER	REFERENCE INFORMATION	
3-001	LAPC 8-101-693 [1A13] CONFIGURATION 02/14/57	-5.000	.000	.000	.000	SREF	2690.0000
3-006	LAPC 8-101-693 [1A13] CONFIGURATION 02/14/57	.000	.000	.000	.000	LBREF	1290.3000
3-006	LAPC 8-101-693 [1A13] CONFIGURATION 02/14/57	.000	.000	.000	.000	BRREF	1290.3000
						YMRP	576.0000
						YMRP	400.0000
						YMRP	400.0000
						SCALE	.0100



EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(C)MACH = .98

FOREBODY NORMAL FORCE COEFFICIENT • CNF

EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

$$CCMAC = .98$$

PAGE 56

DATA SET 57-80. CONFIGURATION DESCRIPTION

[B-0017] LARC 8-TPT-883 (A43) CONF:GURATION 02/14/57

[B-0006] LARC 8-TPT-883 (A43) CONF:GURATION 02/14/57

[B-0016] LARC 8-TPT-883 (A43) CONF:GURATION 02/14/57

BETA ELV-LJ ELV-RI RUDDER

-5.000 .000 .000 .000

5.000 .000 .000 .000

REFERENCE INFORMATION

SREF 2690.0000 50.FT

LREF 1290.3000 INCHES

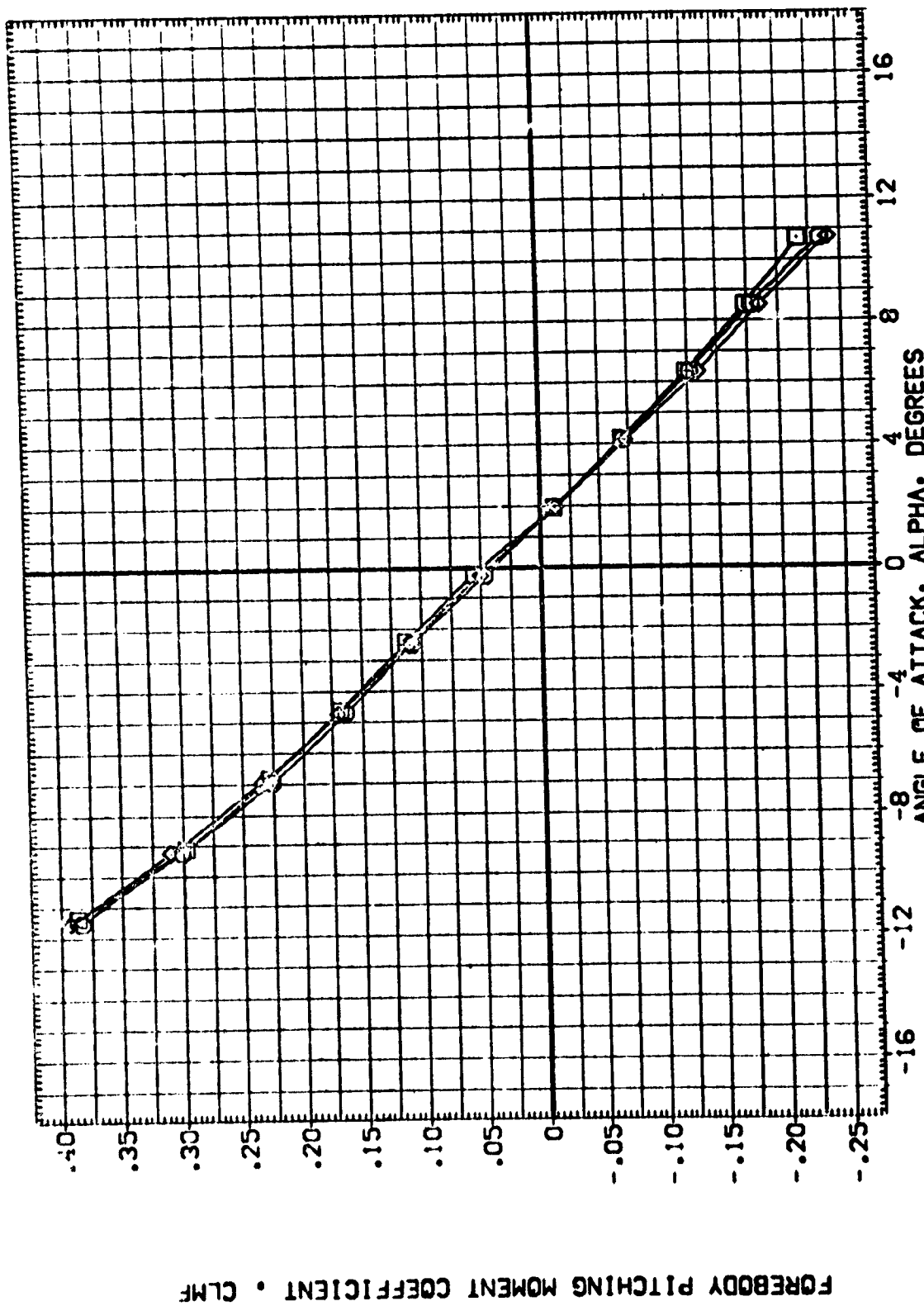
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YTRP 400.0000 IN. YT

ZTRP 400.0000 IN. ZT

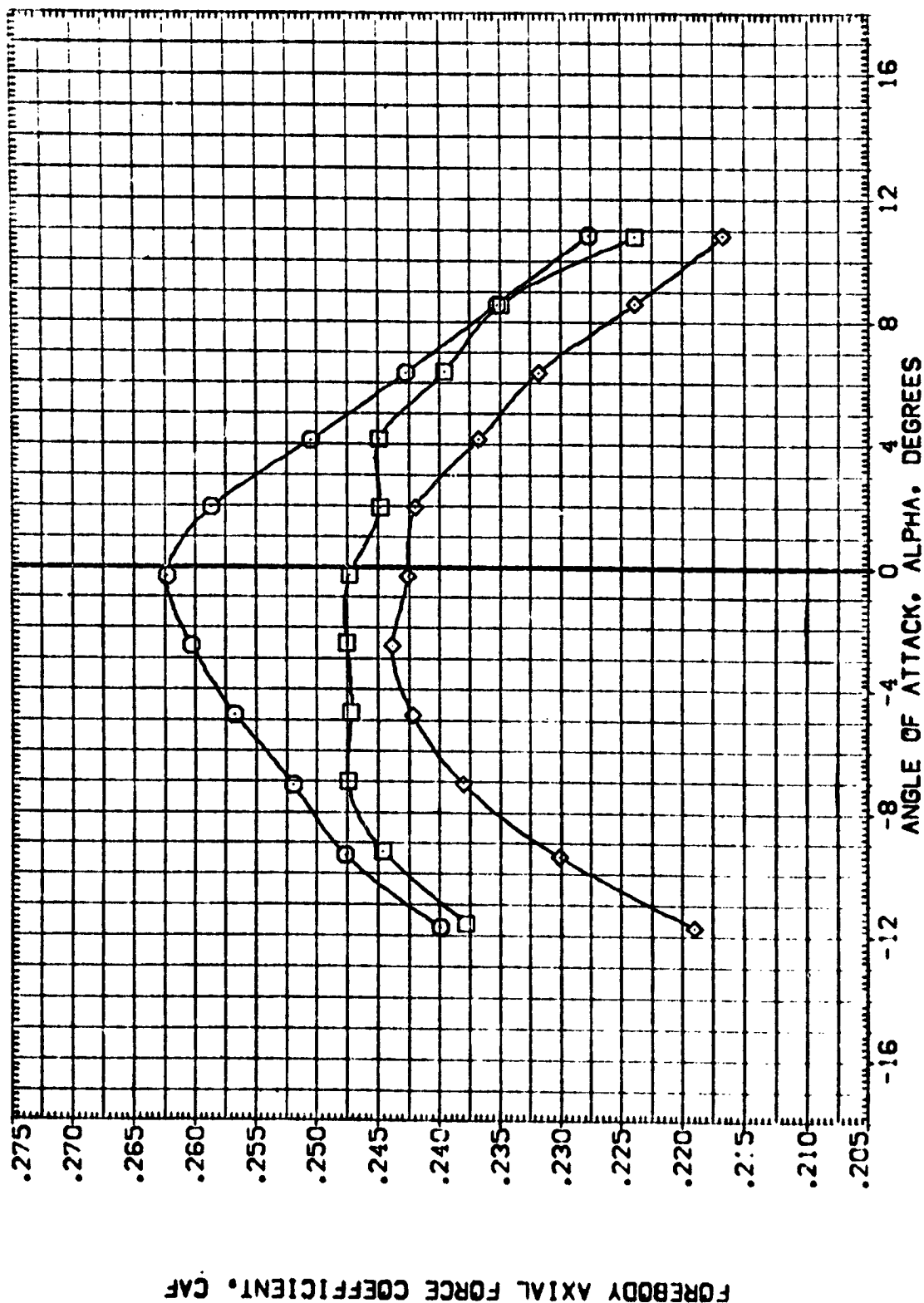
SCALE .0100



EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(C)MACH = .98

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SCALE	



EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

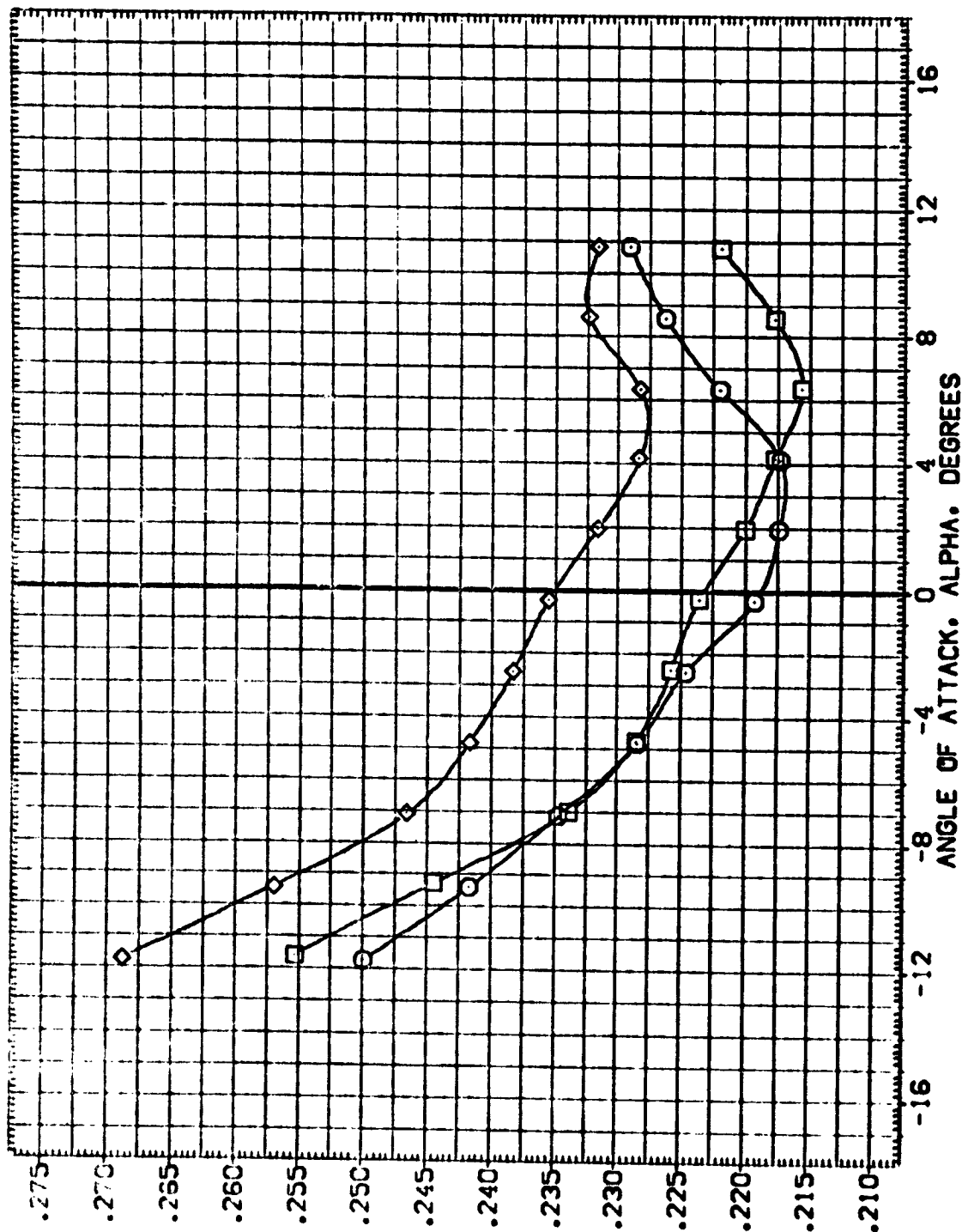
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COMACH = 1.13
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PAGE

85

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OF POOR QUALITY

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[B-CG18]	LARC 8-TPT-683 [A43] CONF [GURATION 02/14/57	.000	.000	.000	.000	LREF 1290.3000 INCHES
[B-CG16]	LARC 8-TPT-683 [A43] CONF [GURATION 02/14/57	5.000	.000	.000	.000	BREF 1290.3000 IN. XT
						XMRP 976.0000 IN. YI
						YMRP 400.0000 IN. ZI
						SCALE .0100



BASE AXIAL FORCE COEFFICIENT, CAB

EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(C)MACH = 1.13

PAGE

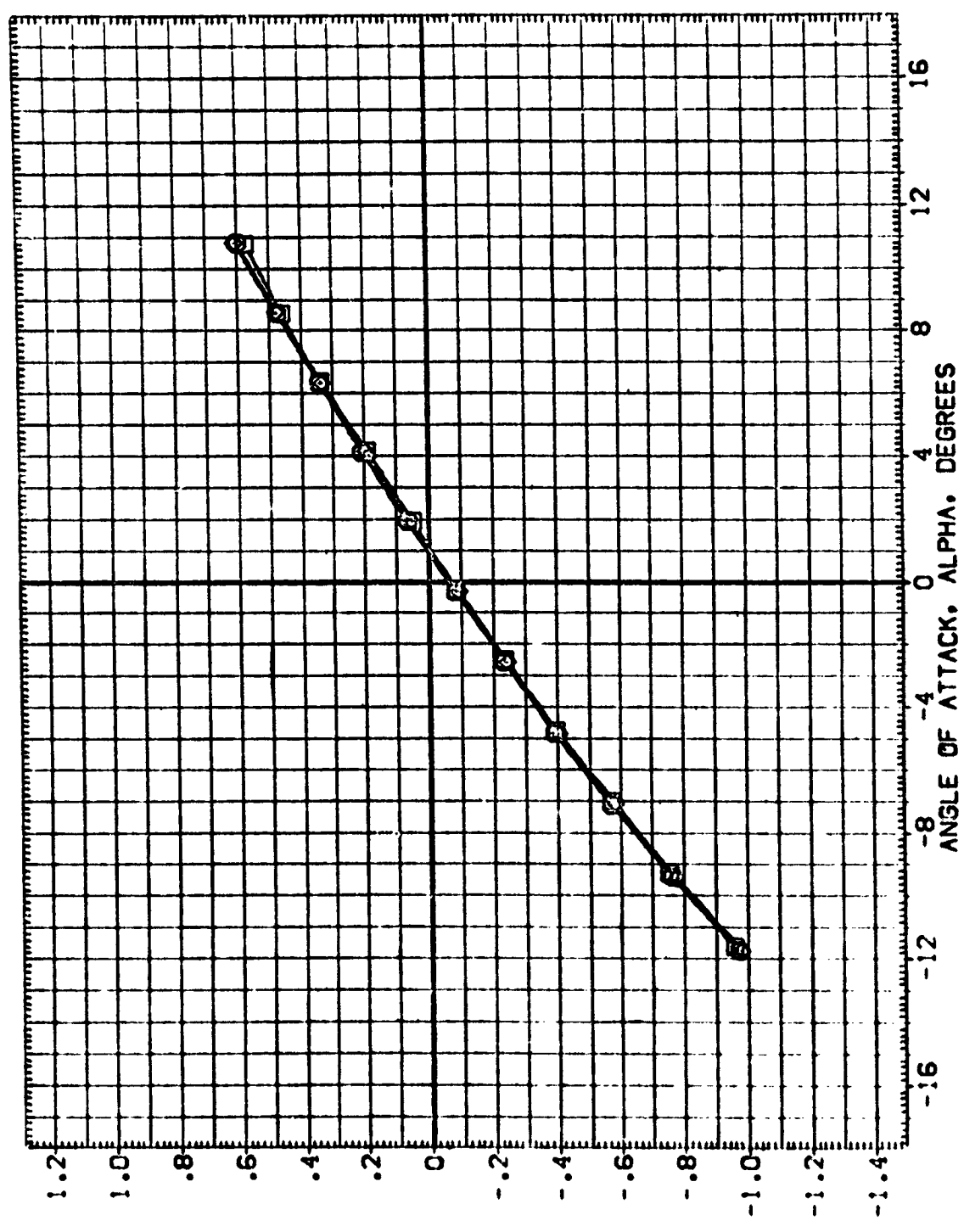
59



DATA SET SYMBOL CONFIGURATION DESCRIPTION
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3-CC-18 2 LAPC 8-131-893 (143) CDF DURAT ON 32/14/57
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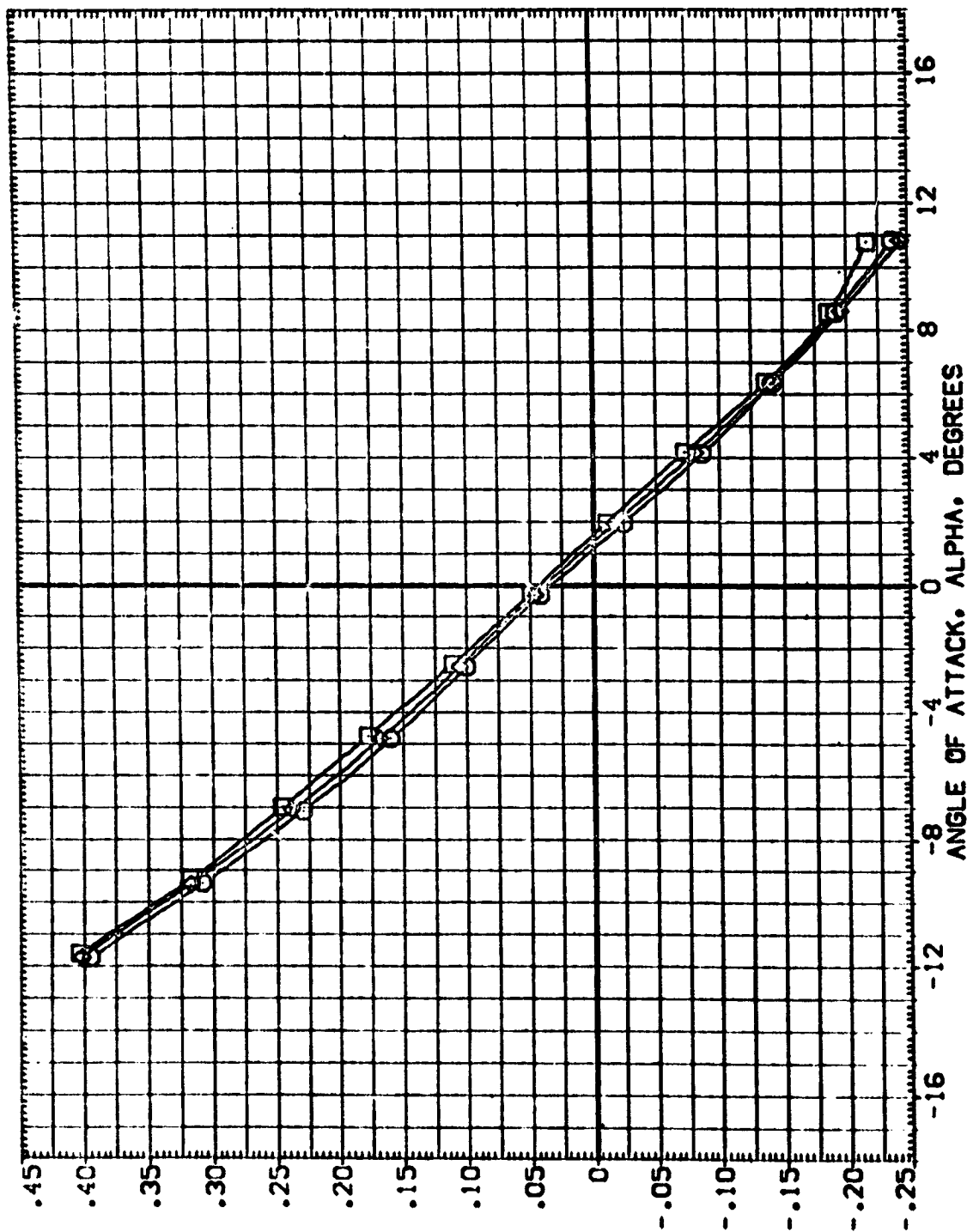
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-5.000 .000 .000 .000 SREF 3.3000 INCH
5.000 .000 .000 .000 LREF 3.3000 INCH
XMRP 976.0000 IN. X
YMRP .0000 IN. Y
ZMRP 400.0000 IN. Z
SCALE .0100

FOREBODY NORMAL FORCE COEFFICIENT • CNF



EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL: 9-0017
 CONFIGURATION DESCRIPTION: LANC 8-TPT-693 (1A43)
 DATE: 02/14/57
 REFERENCE INFORMATION: SO.FT. 2690.0000
 INCHES 1290.3000
 IN. XT 1290.3000
 IN. YI 576.0000
 IN. ZI 400.0000
 SCALE .0100



FOREBODY PITCHING MOMENT COEFFICIENT - CLMF

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EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(0)MACH = 1.13

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 BY: [unclear]
 [unclear]
 [unclear]
 [unclear]

DESCRIPTION
 [unclear]
 [unclear]
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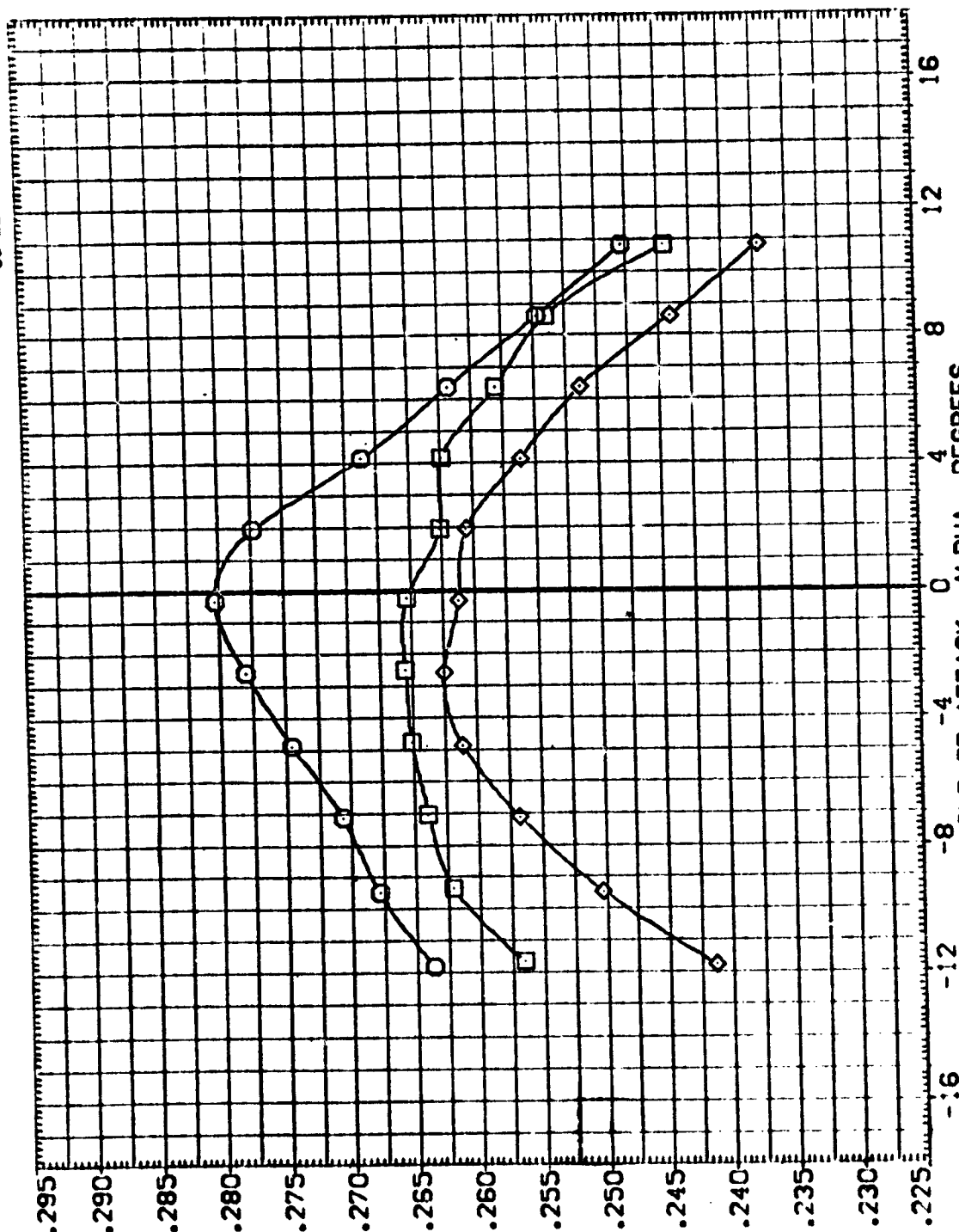
12/14/57
 12/14/57
 12/14/57

BETA
 -5.000
 .000
 5.000

ELV-01
 .000
 .000
 .000

RUDDER
 .000
 .000
 .000

REFERENCE
 SREF
 LREF
 XREF
 YREF
 ZREF
 SCALE



FOREBODY AXIAL FORCE COEFFICIENT, CAF

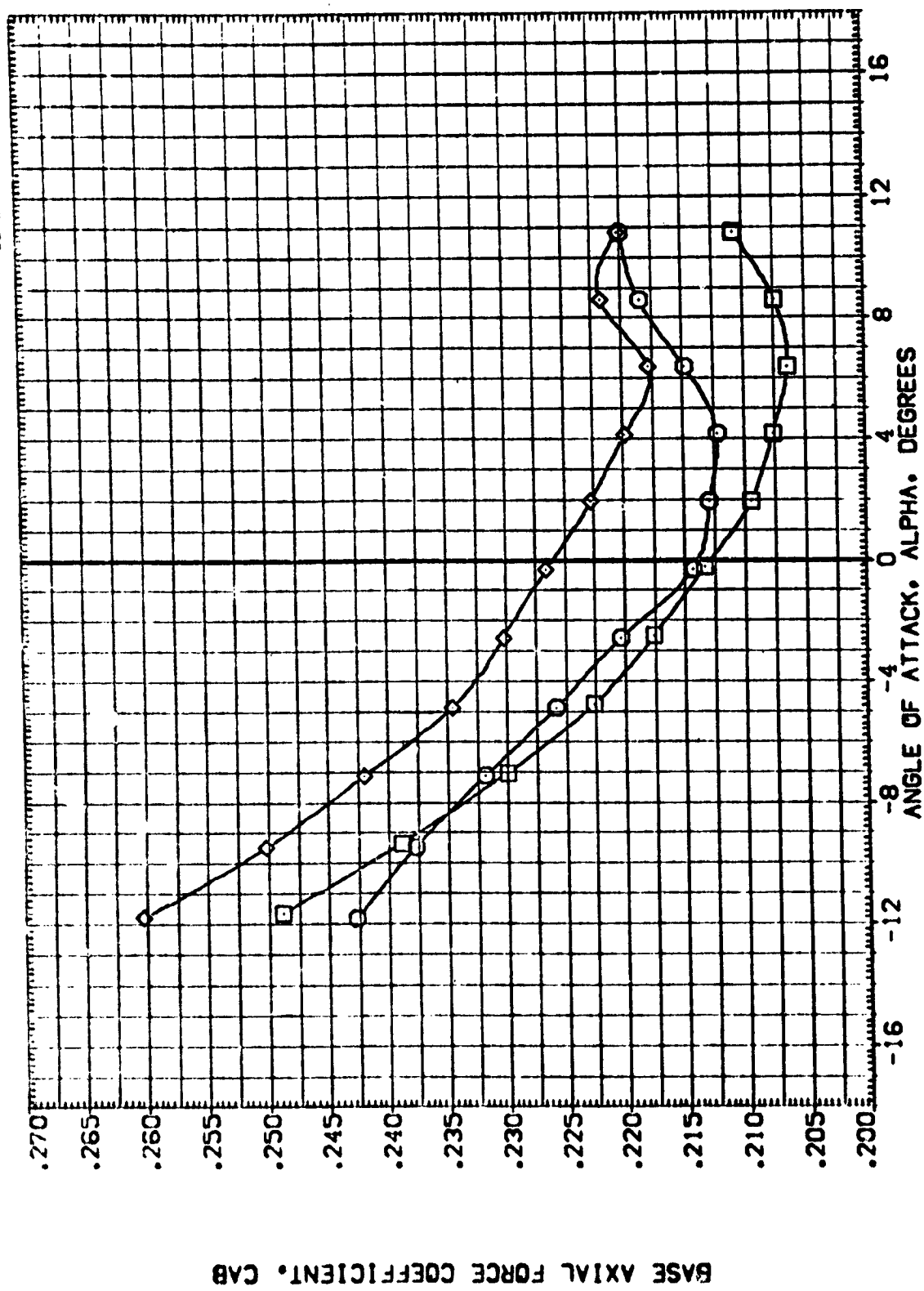
EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(E)MACH = 1.20

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 :B-C016 : LARC 8-TPT-833 (1413) CONFIGURATION 02/14/57
 :B-C016 : LARC 8-TPT-833 (1413) CONFIGURATION 02/14/57

BETA ELV-LI ELV-RI RUDDER
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 5.000 .000 .000 .000

REFERENCE INFORMATION
 SREF 2630.0000 SQ.FT.
 LREF 1290.3000 INC-ES
 BREF 1290.3000 INC-ES
 XMRP 976.0000 IN. XT
 YMRP .0000 IN. YT
 ZMRP 400.0000 IN. ZT
 SCALE .0100



BASE AXIAL FORCE COEFFICIENT, CAB

EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

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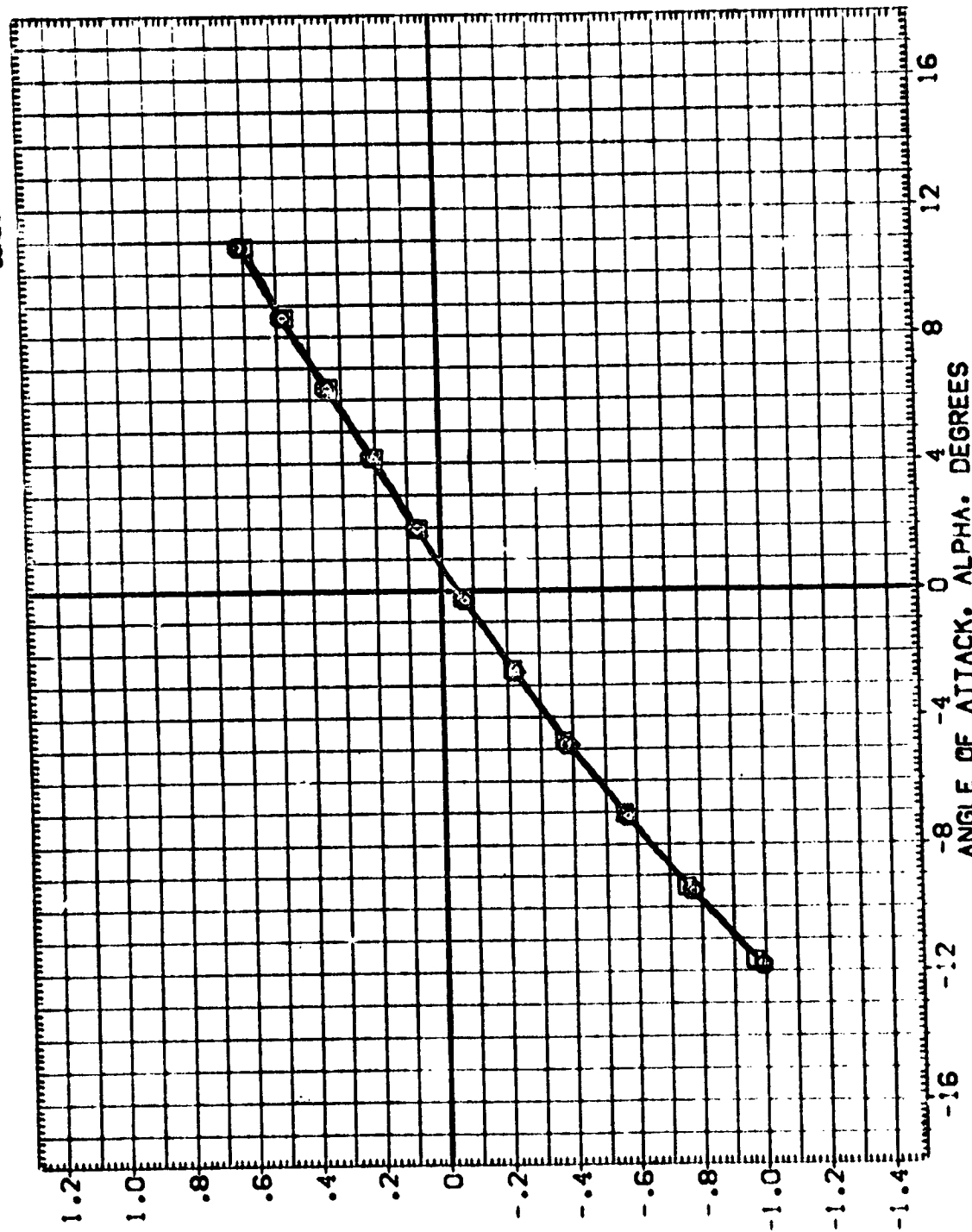
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 3-CELL 2 LARC 8-1BT-693 [A43] CONF: GURAT: ON 02/14/57
 3-CELL 3 LARC 8-1BT-693 [A43] CONF: GURAT: ON 02/14/57

BETA -5.000
 -5.000
 5.000

ELV: 0.000
 0.000
 0.000

R: 0.000
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 0.000

REFERENCE INFORMATION
 SPEC 0.000
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 XPRP 576.0000
 YPRP 400.0000
 ZPRP 0.0000
 SCALE .0100



EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

CEMACH = 1.20

DATA SET SYMBOL
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 [B-0006]
 [B-0016]

CONFIGURATION DESCRIPTION
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 LARC 8-TPT-693 (1443) CONFIGURATION 02/14/57
 LARC 8-TPT-693 (1443) CONFIGURATION 02/14/57

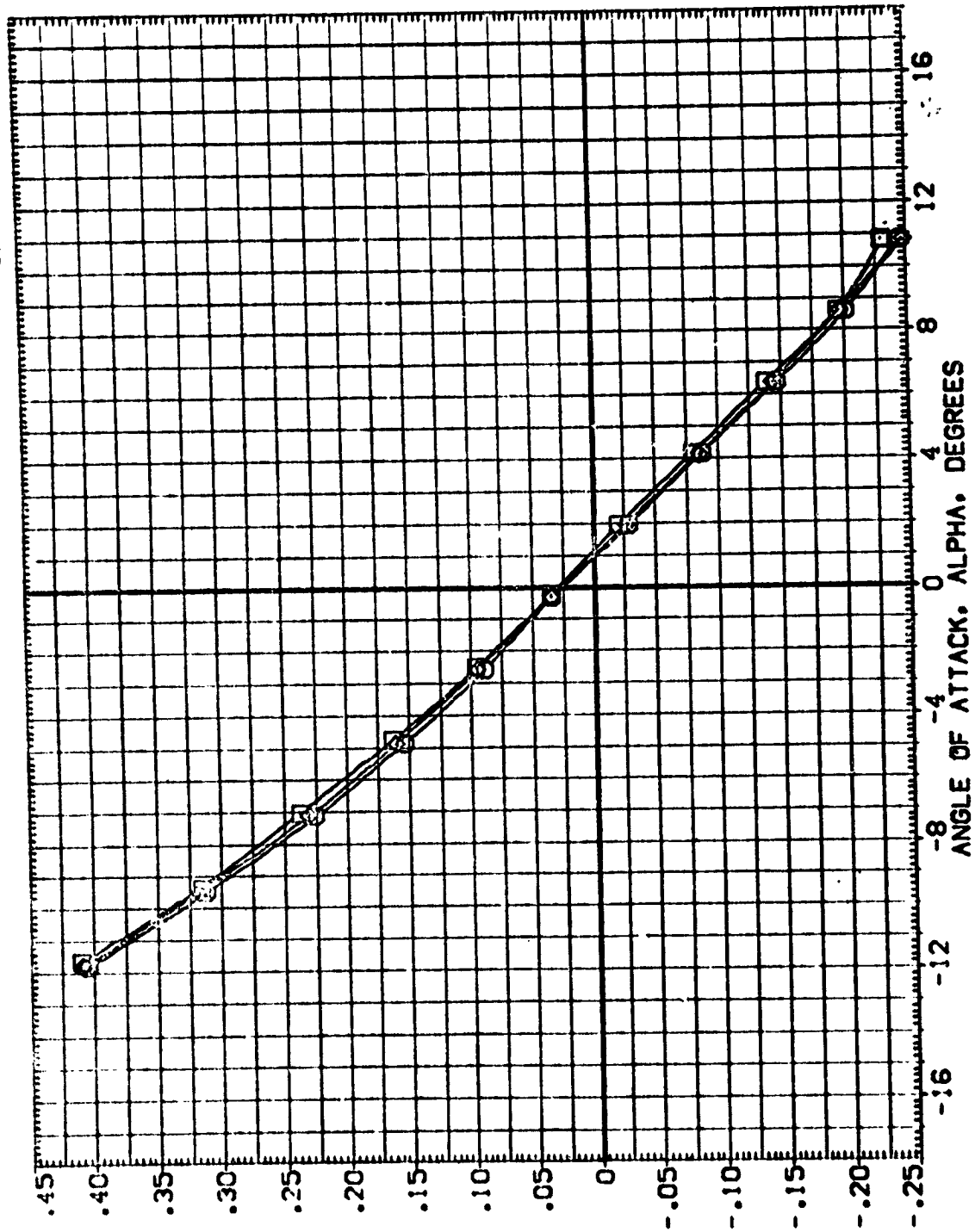
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ELV-L1
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 .000

ELV-R1
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 .000
 .000

RUDDER
 .000
 .000
 .000

REFERENCE INFORMATION
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 LREF 1290.3000 INCHES
 BREF 1290.3000 INCHES
 XMRP 576.0000 IN. XT
 YMRP 400.0000 IN. YT
 ZMRP 400.0000 IN. ZT
 SCALE .0100



FOREBODY PITCHING MOMENT COEFFICIENT - CLMF

EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(C)MACH = 1.20

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LIFE	0.0000
LEAF	0.0000
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YHPH	0.0000
ZHPH	400.0000
SCALE	.0100



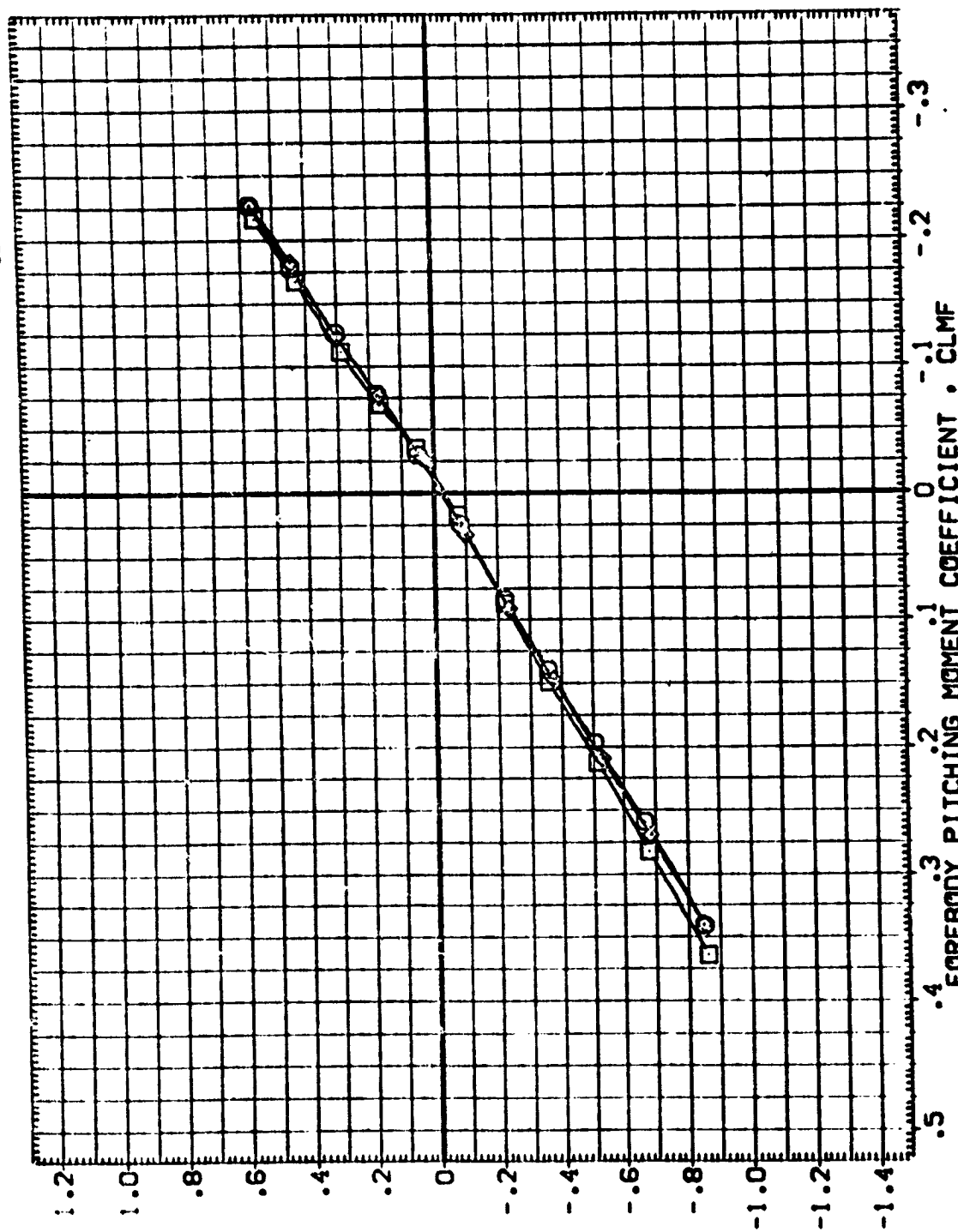
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CAJMACH = .50

FOREBODY NORMAL FORCE COEFFICIENT, CNF

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OF POOR QUALITY

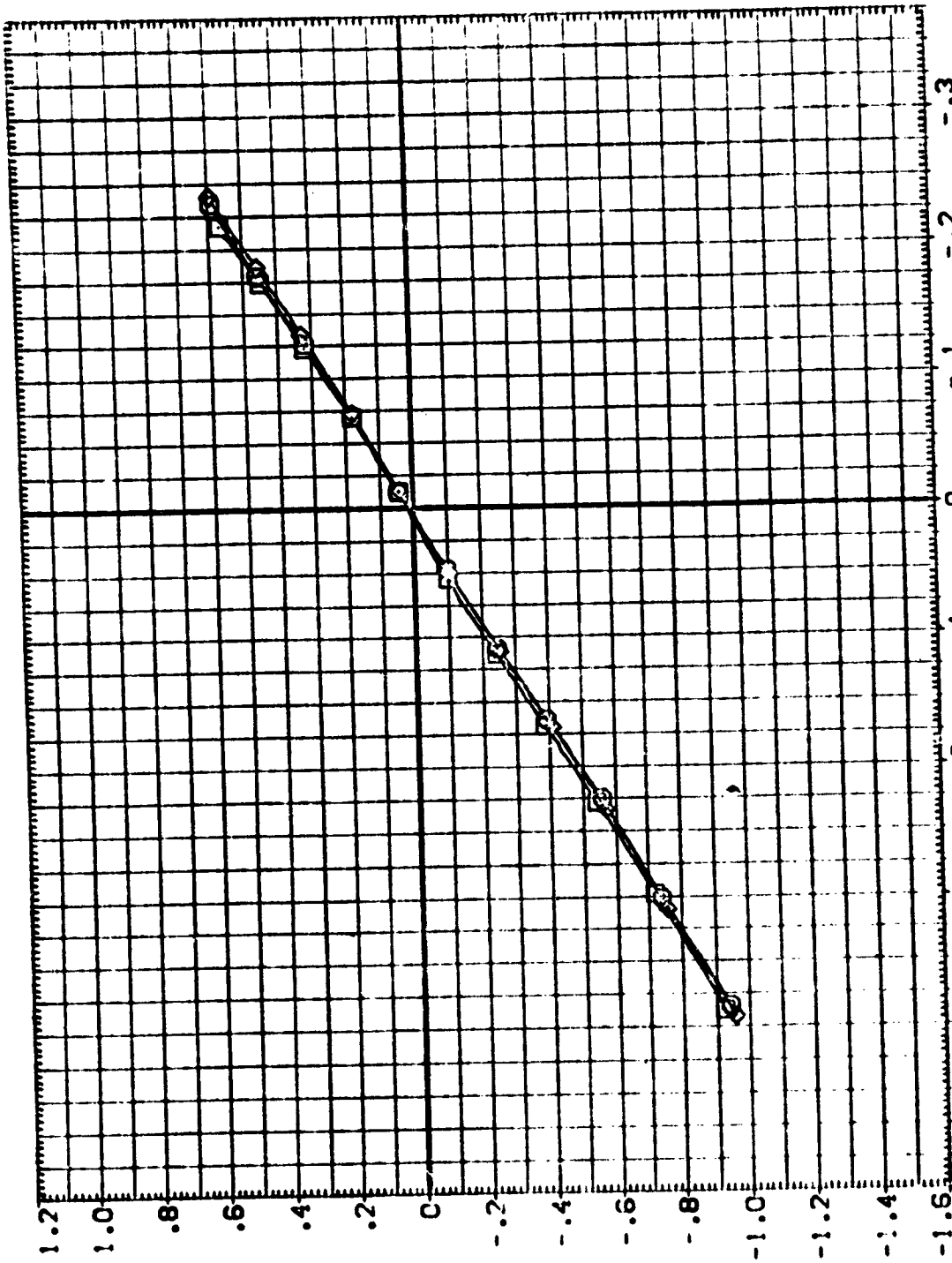
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{B-C018}	LARC 8-TPT-693 {1A43} CONF:GURATION 02/14/57	.000	.000	.000	.000	LREF 1290.3000 INCHES
{B-C019}	LARC 8-TPT-693 {1A43} CONF:GURATION 02/14/57	5.000	.000	.000	.000	BREF 1290.3000 INCHES
						XPRP 976.0000 IN. XT
						YPRP 400.0000 IN. YT
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						SCALE .0100



EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

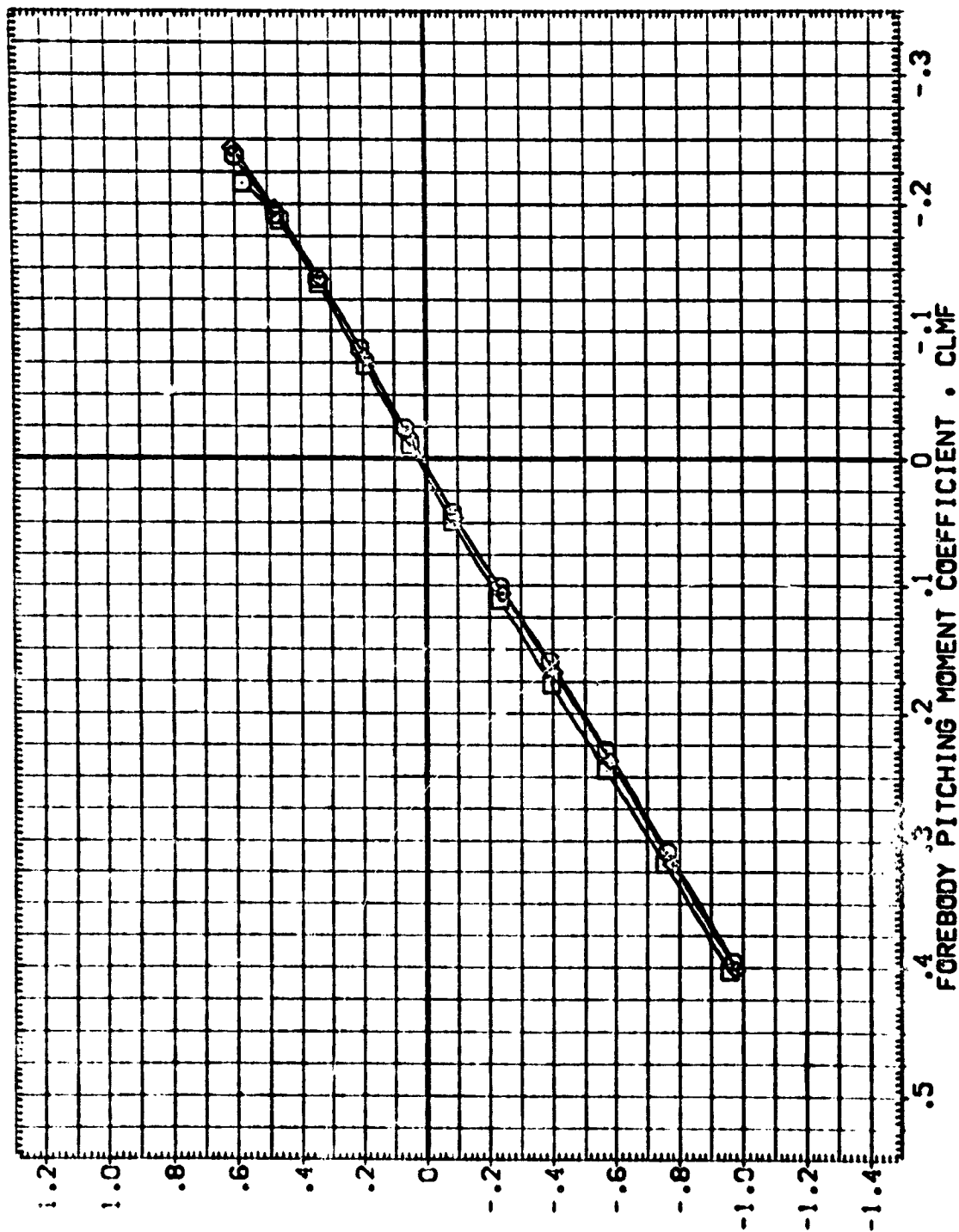
(B)MACH = .90

DAT. SET SYMBOL: ☐ ☒ ☐
 [8-0017] [8-0016] [8-0015]
 CONFIGURATION DESCRIPTION: [A13] [A13] [A13]
 LARC 8-TPT-693 [A13] [A13] [A13]
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 LREF 290.3000 290.3000 290.3000
 BREF 1290.3000 1290.3000 1290.3000
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 YMRP 400.0000 400.0000 400.0000
 ZMRP .0100 .0100 .0100
 SCALE
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 .000 .000 .000
 5.000 .000 .000
 RUDDER: ELV-R1 ELV-R2 ELV-R3
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 .000 .000 .000
 REFERENCE INFORMATION:
 SREF 330.0000 330.0000 330.0000
 LREF 290.3000 290.3000 290.3000
 BREF 1290.3000 1290.3000 1290.3000
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 YMRP 400.0000 400.0000 400.0000
 ZMRP .0100 .0100 .0100
 SCALE
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 5.000 .000 .000
 RUDDER: ELV-R1 ELV-R2 ELV-R3
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 .000 .000 .000
 .000 .000 .000



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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELV-LI	ELV-RI	RUDDER	REFERENCE INFORMATION
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8-001.8	LARC 8-101-693 (1A13) C3V IGURAT 02/14/57	.000	.000	.000	.000	LREF 1250.3000 INCHES
8-001.9	LARC 8-101-693 (1A13) C3V IGURAT 02/14/57	5.000	.000	.000	.000	BREF 976.0000 IN. XT
						XREF .0000 IN. YT
						ZREF 400.0000 IN. ZT
						SCALE .0100



EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(C)MACH = 1.13

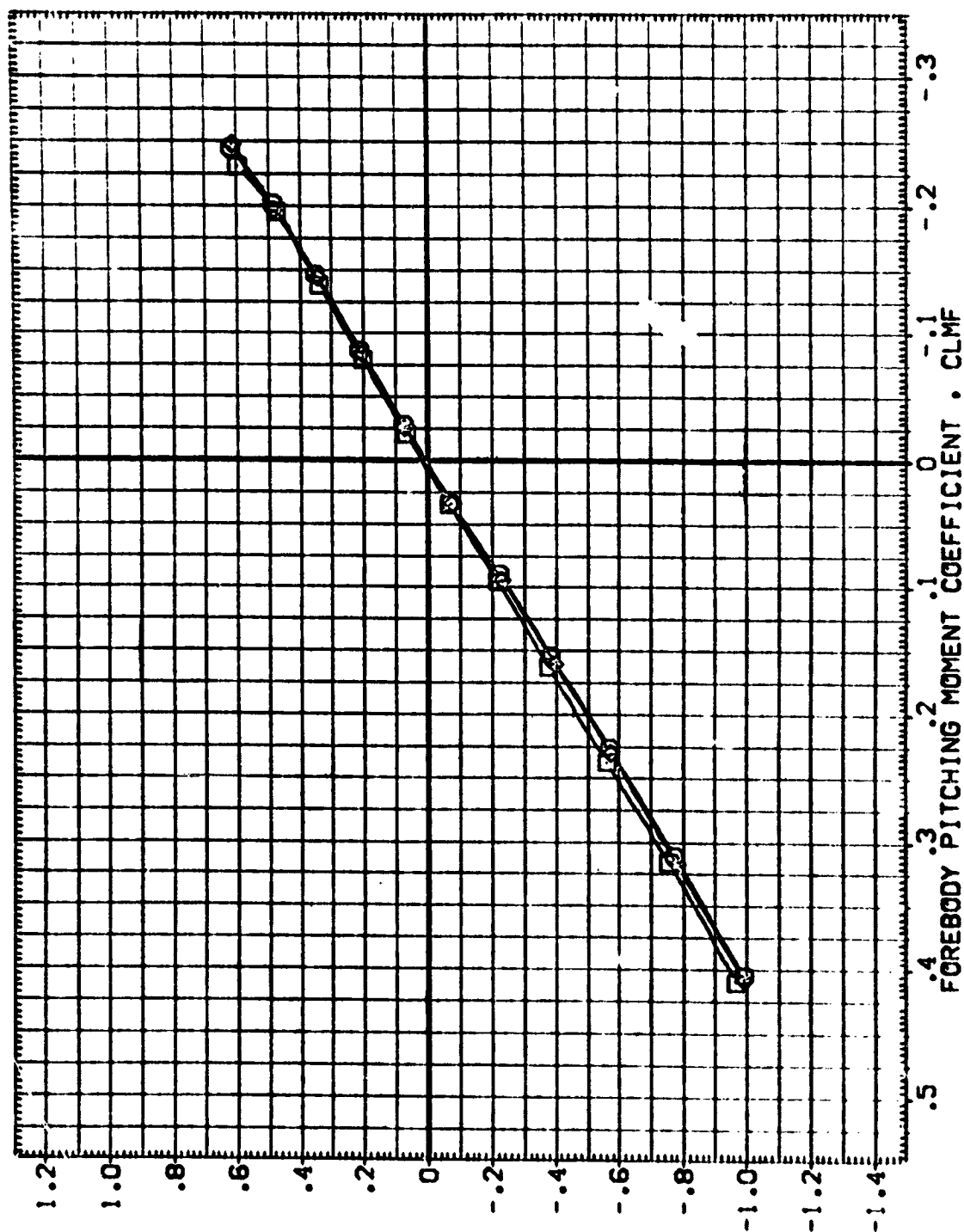
PAGE

69



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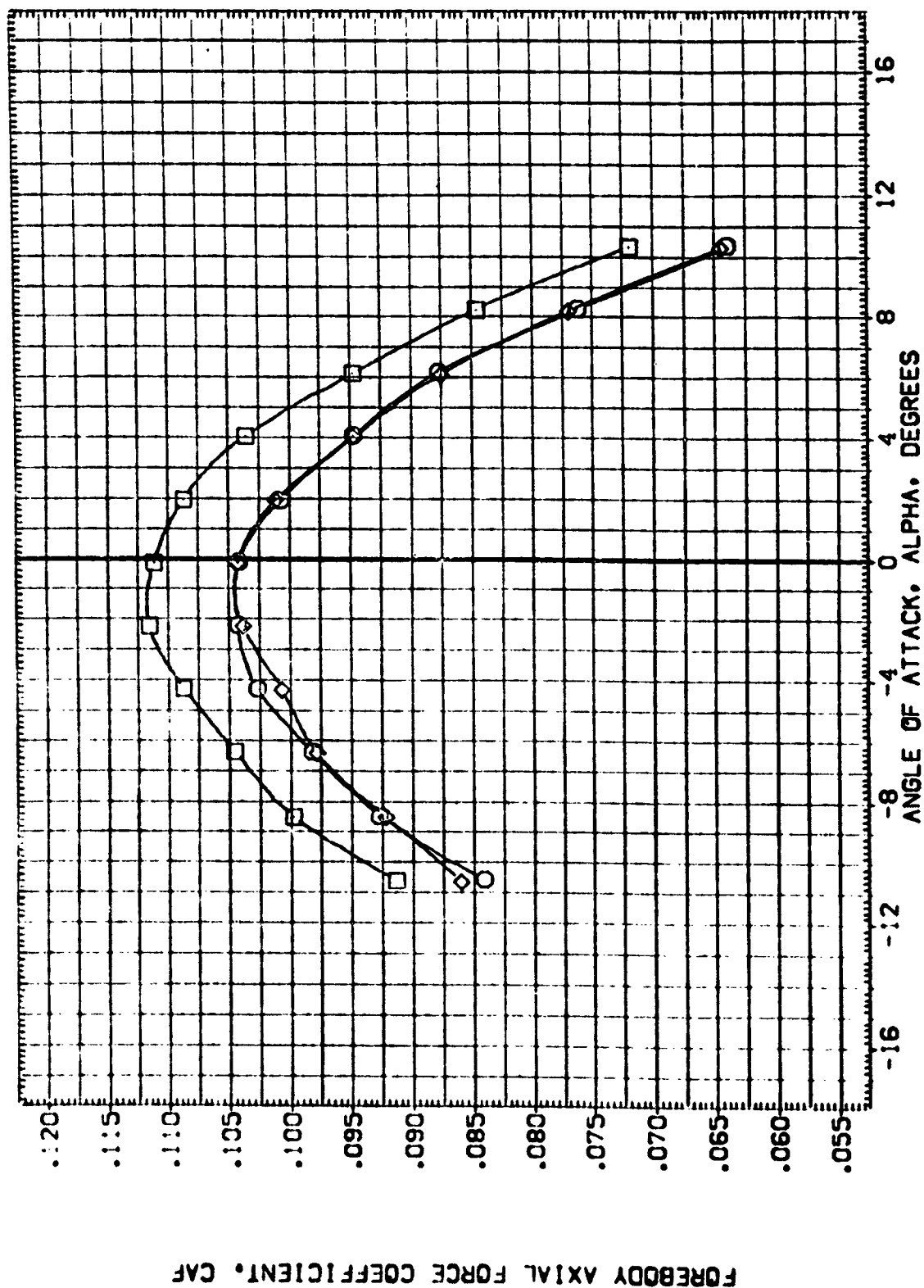
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(B-CD:6)	◇	LARC 8-TPT-693 (A13)	CONF:IGRATION	02/14/57	.000	.000	.000	LREF	590.3000	50.57
		LARC 8-TPT-693 (A13)	CONF:IGRATION	02/14/57	5.000	.000	.000	BREF	1290.3000	50.57
								XMRP	976.0000	50.57
								YMRP	400.0000	50.57
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EFFECT OF SIDESLIP ANGLE ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

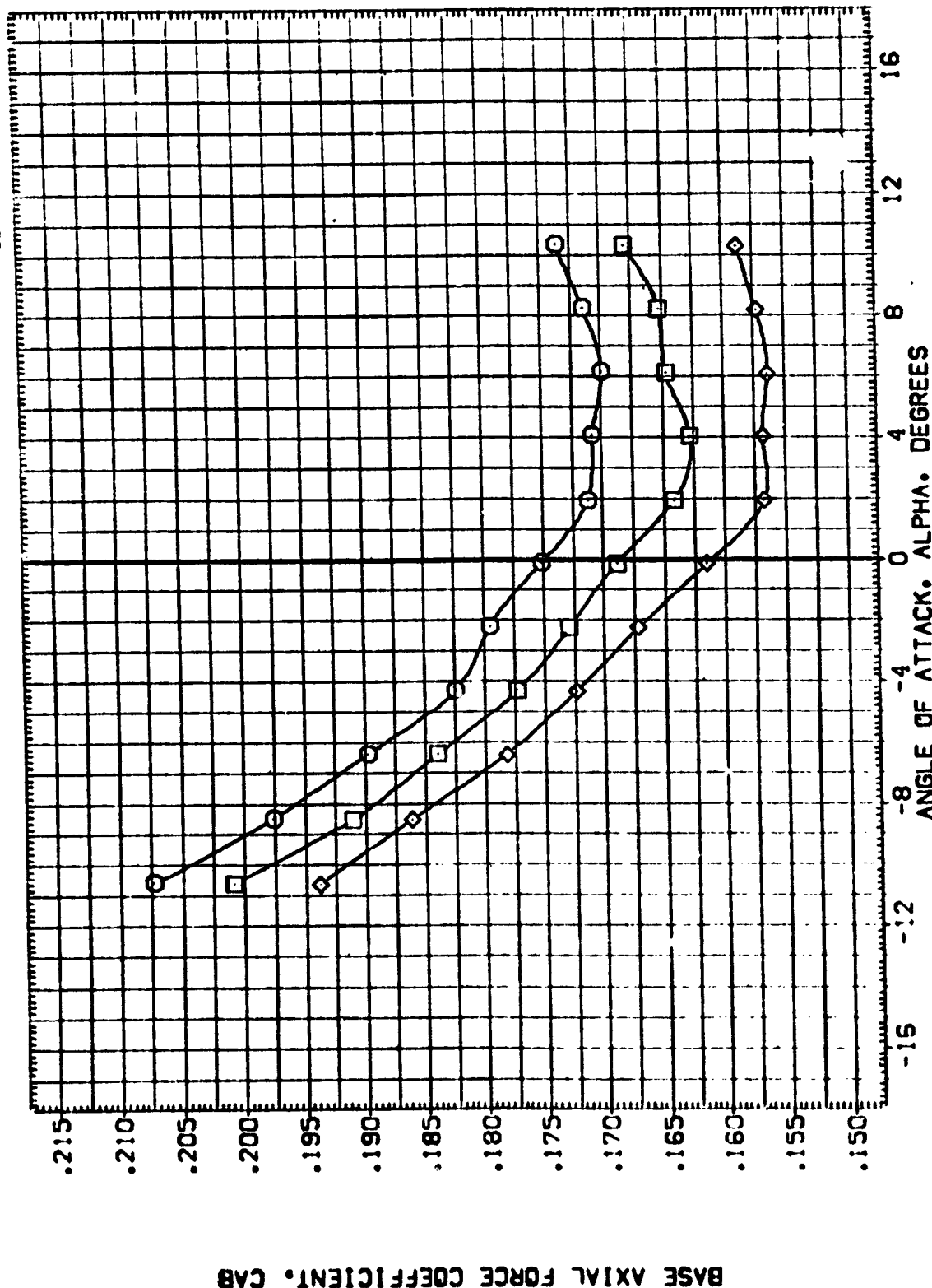
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(9-C007)	LARC 8-PT-693 (A43) CONFIGURATION 03/14/57	.000	.000	.000	.000	LREF 1290.3000 INCHES
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						XPRP 976.0000 IN. XT
						YPRP 400.0000 IN. YT
						ZPRP 400.0000 IN. ZT
						SCALE .0100



OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(A)MACH = .60

[illegible]

QMS PAD AND SRR SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

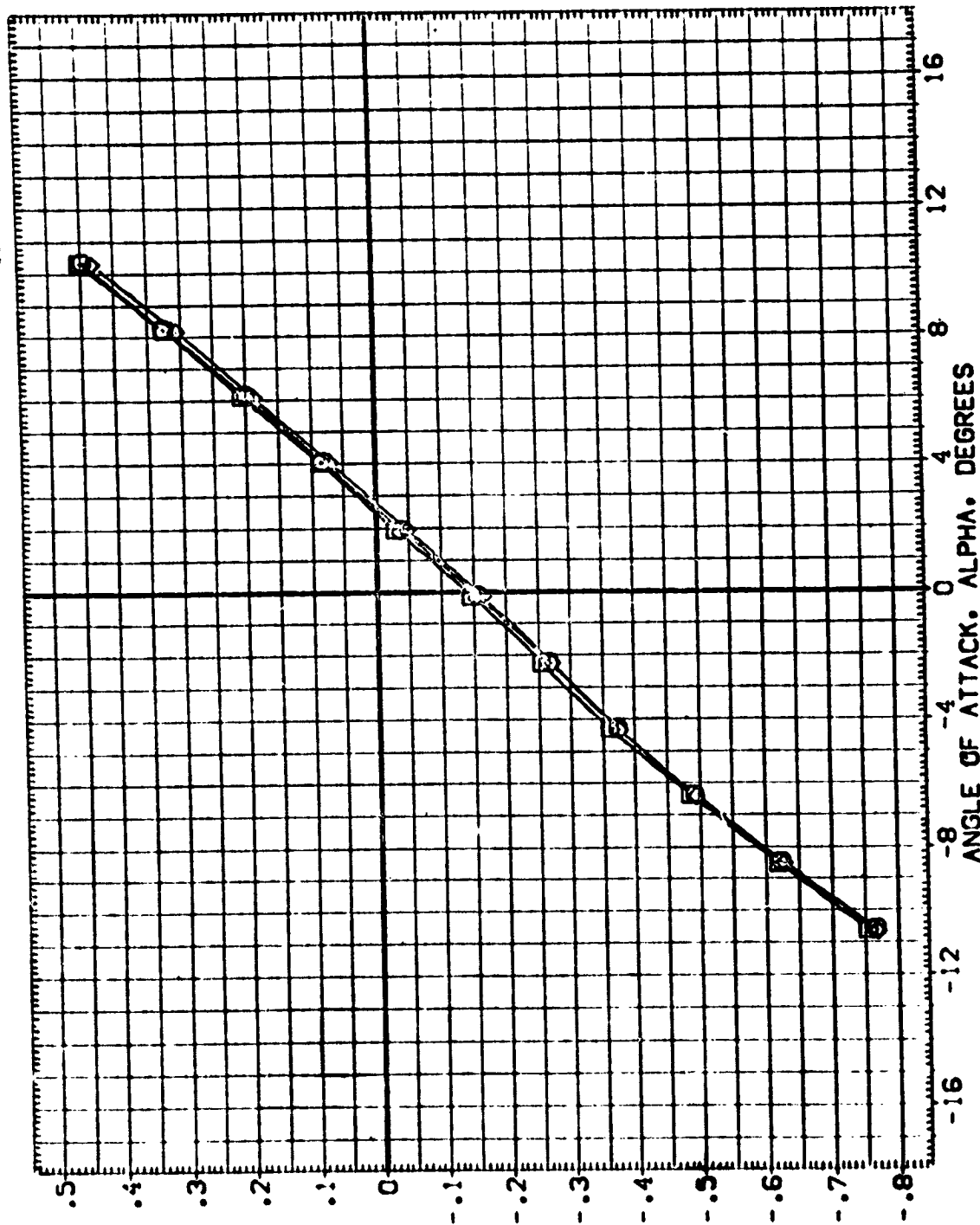
PAGE 72

CAJMACH = .60

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FOREBODY NORMAL FORCE COEFFICIENT, CNF

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-L8	ELV-L1	ELV-R1	ELV-R8	REFERENCE INFORMATION
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(B-C007)	LARC 8-TBT-693 (1A43) CNF GURAT:CN	.000	.000	.000	.000	LREF 1280.3000 INCHES
(B-C002)	LARC 8-TBT-693 (1A43) CNF GURAT:CN	.000	.000	.000	.000	BREF 1250.3000 INCHES
						XREF 576.0000 IN. XT
						YREF 400.0000 IN. YT
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OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

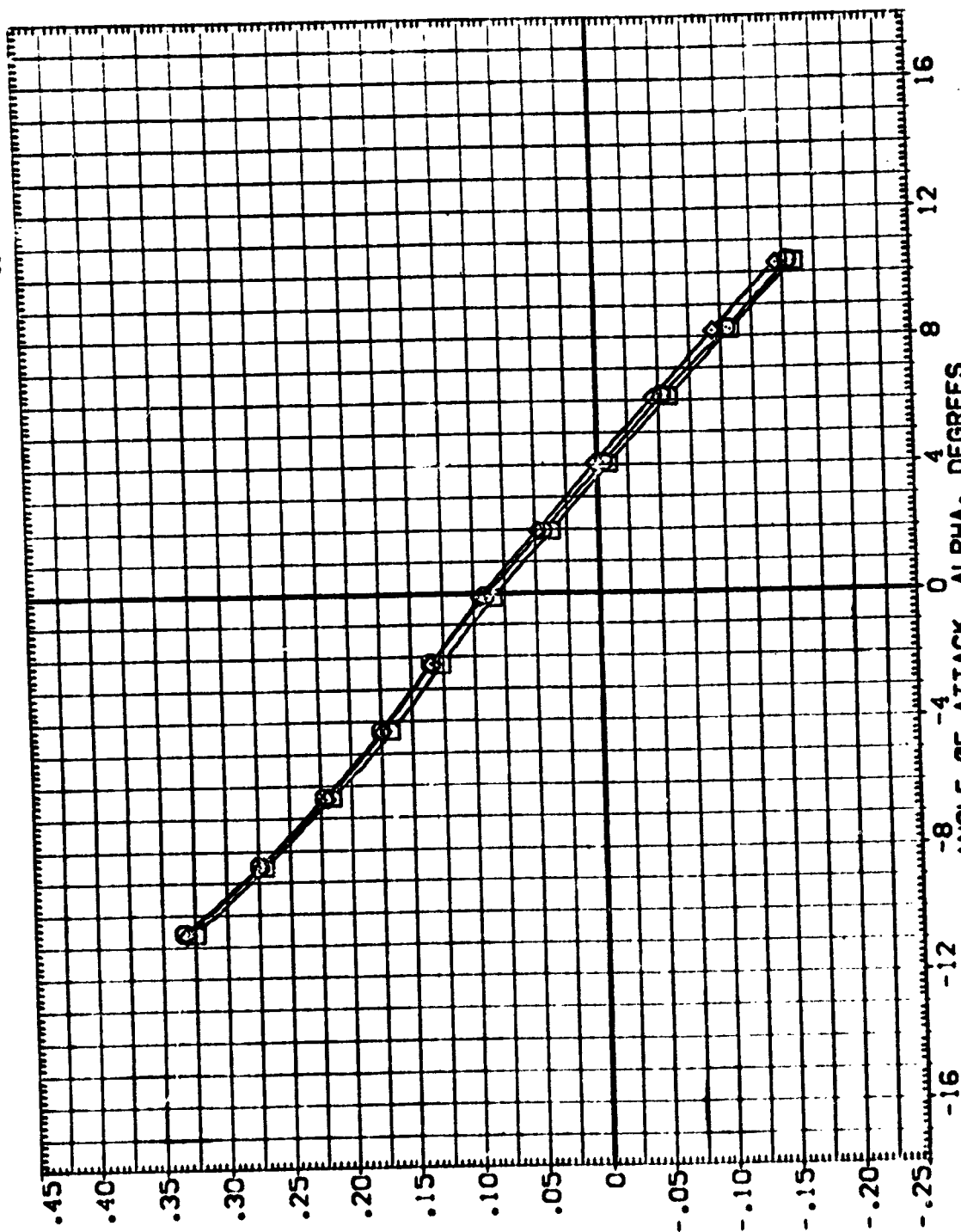
FOREBODY PITCHING MOMENT COEFFICIENT • CLMF

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 02/14/57
 02/14/57

CONF GURATION DESCRIPTION: 02/14/57
 02/14/57
 02/14/57
 02/14/57

ELV-HL 0.000
 ELV-R 0.000
 ELV-RO 0.000

REFERENCE GURATION: 02/14/57
 SREF 0.000
 LREF 0.000
 BREF 0.000
 YMRP 0.000
 ZMRP 0.000
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OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

PAGE 74

(A)MACH = .60

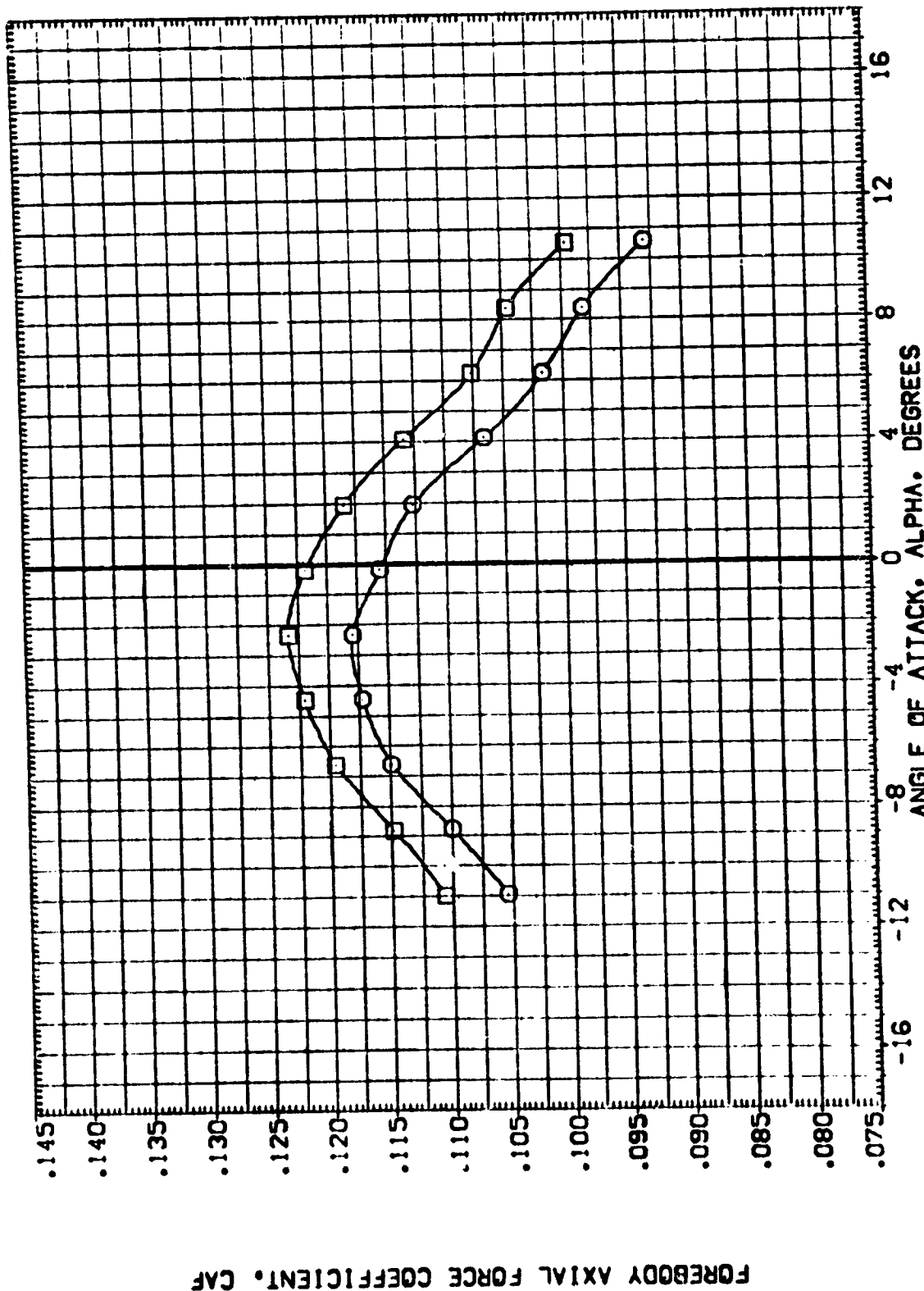
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DATE: 02/14/57 03/14/57

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REFERENCE INFORMATION: SREF 2690.0000 50.FT. LREF 1290.3000 INCHES BREF 1290.3000 INCHES XMRP 576.0000 IN. Y1 YMRP 400.0000 IN. Z1 ZMRP 400.0000 IN. Z1 SCALE .0100



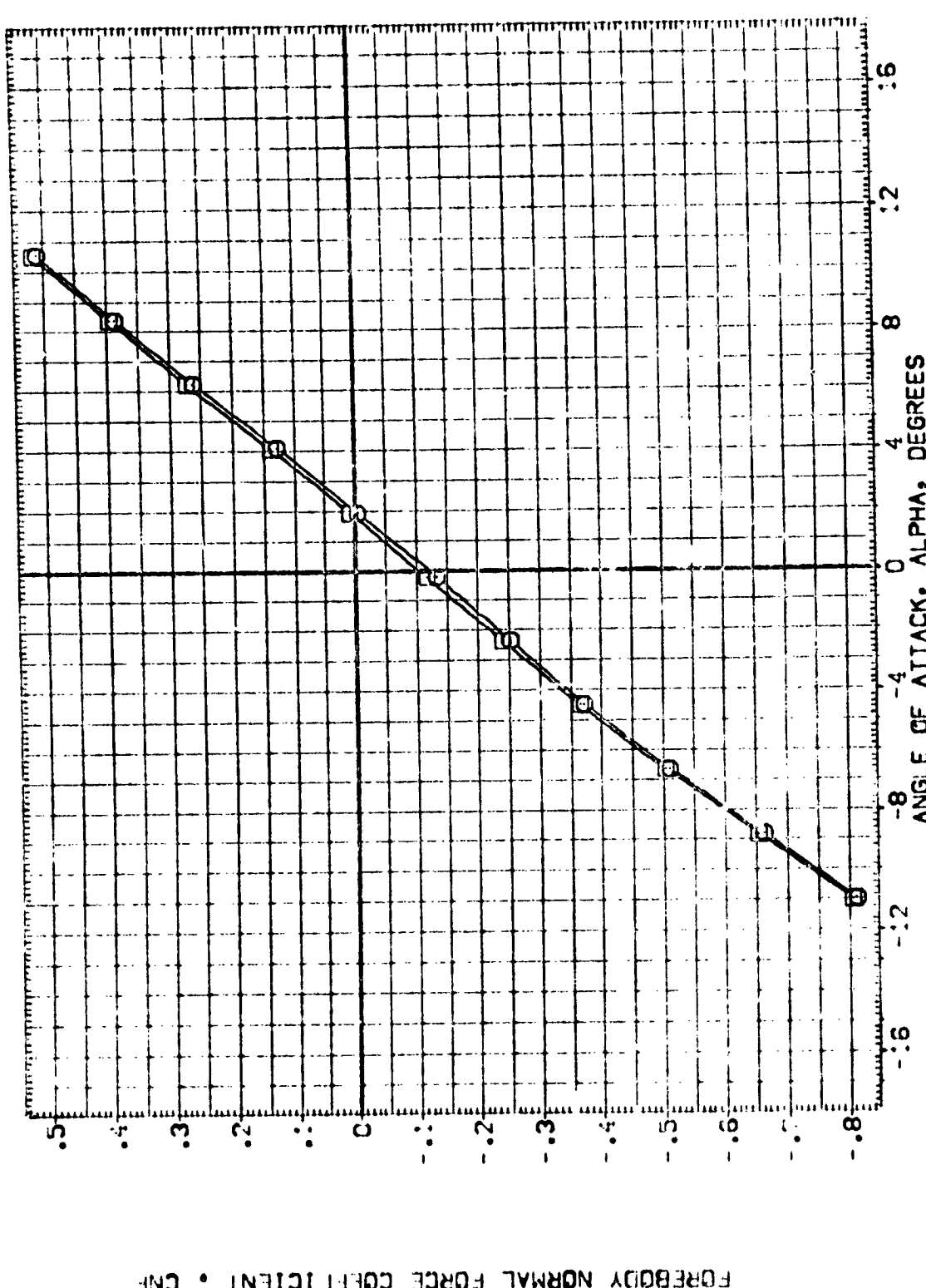
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OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

REFERENCE INFORMATION:
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 LREF 1680 0000
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 VREF 97.8 0000
 WREF 400 0000
 SCALE 0.000

ELV-LB ELV-LI ELV-RI ELV-RO
 .000 .000 .000 .000
 .000 .000 .000 .000
 .000 .000 .000 .000

CONFIGURATION DESCRIPTION
 CASE 8-10-633 (1443) COEFFICIENTS 52/14.5
 CASE 8-10-633 (1443) COEFFICIENTS 53/14.5
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 CASE 8-10-633 (1443) COEFFICIENTS 55/14.5



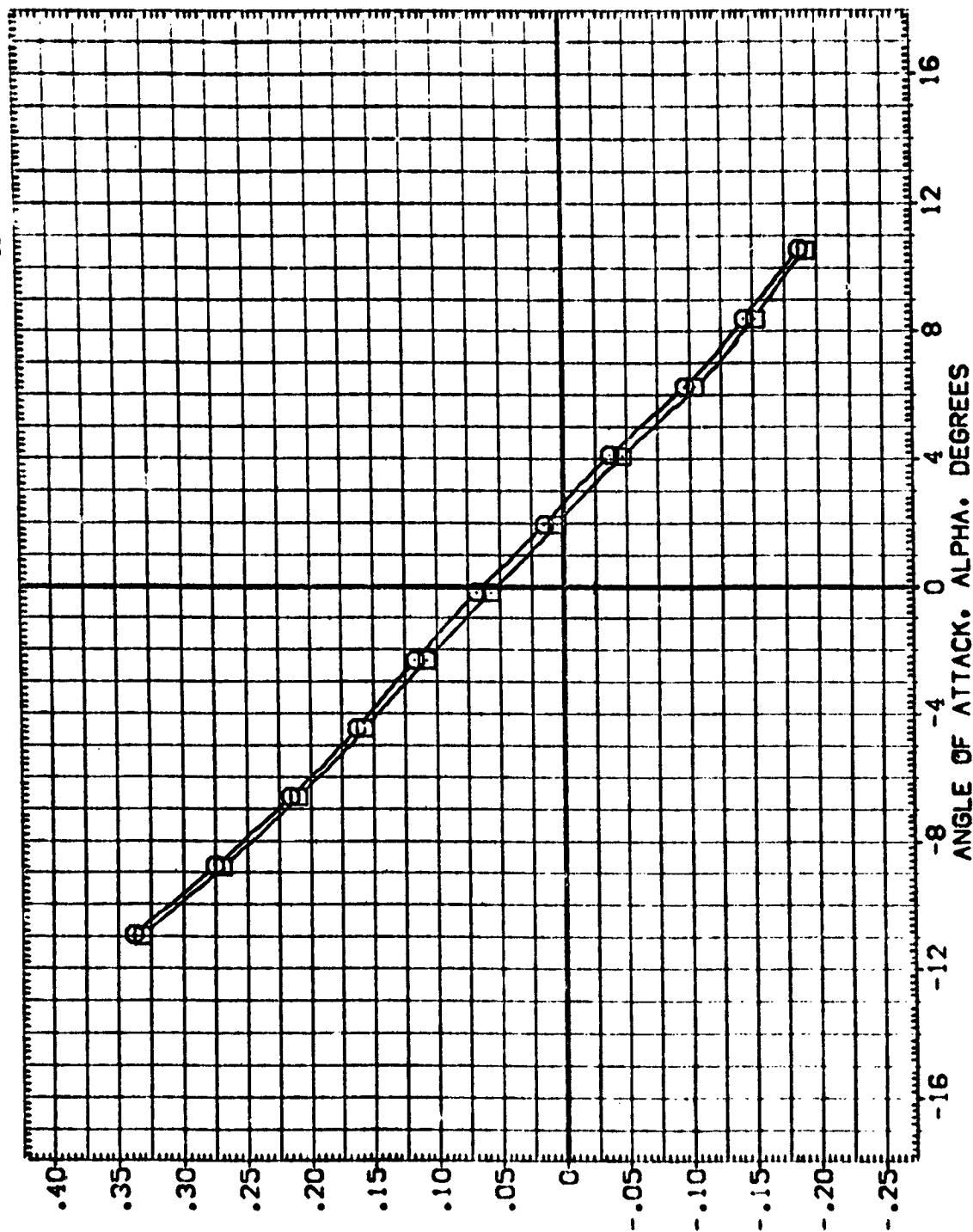
FOREBODY NORMAL FORCE COEFFICIENT • CNF

OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

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 LARC 8-TPT-693 (1A43) CONF: LURATION 03/14/57
 DATA NOT AVAILABLE

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 YREF .000
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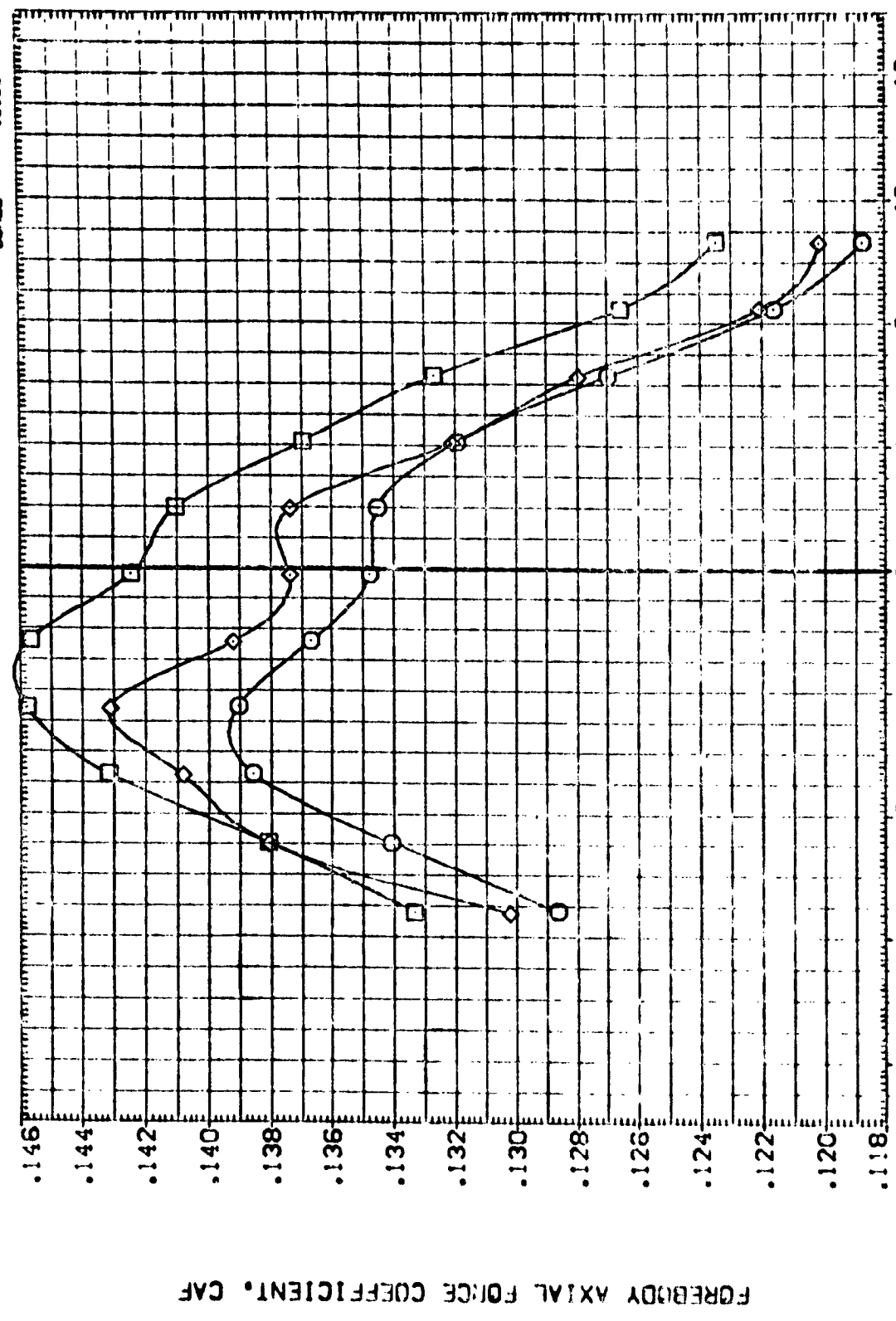


FOREBODY PITCHING MOMENT COEFFICIENT • CLMF

OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(B)MACH = .80

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DATE	ELV-L0	ELV-L1	ELV-R1	ELV-R0	REFERENCE INFORMATION
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130002	LARC 8-TPT-653 (1A43)	02/14/57	.000	.000	.000	.000	LREF 1250.3000
130003	LARC 8-TPT-653 (1A43)	02/14/58	.000	.000	.000	.000	BREF .250.3000
							XREF .976.0000
							YREF .0000
							ZREF 400.0000
							SCALE .0100



FOREBODY AXIAL FORCE COEFFICIENT, CAF

ANGLE OF ATTACK, ALPHA, DEGREES

OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

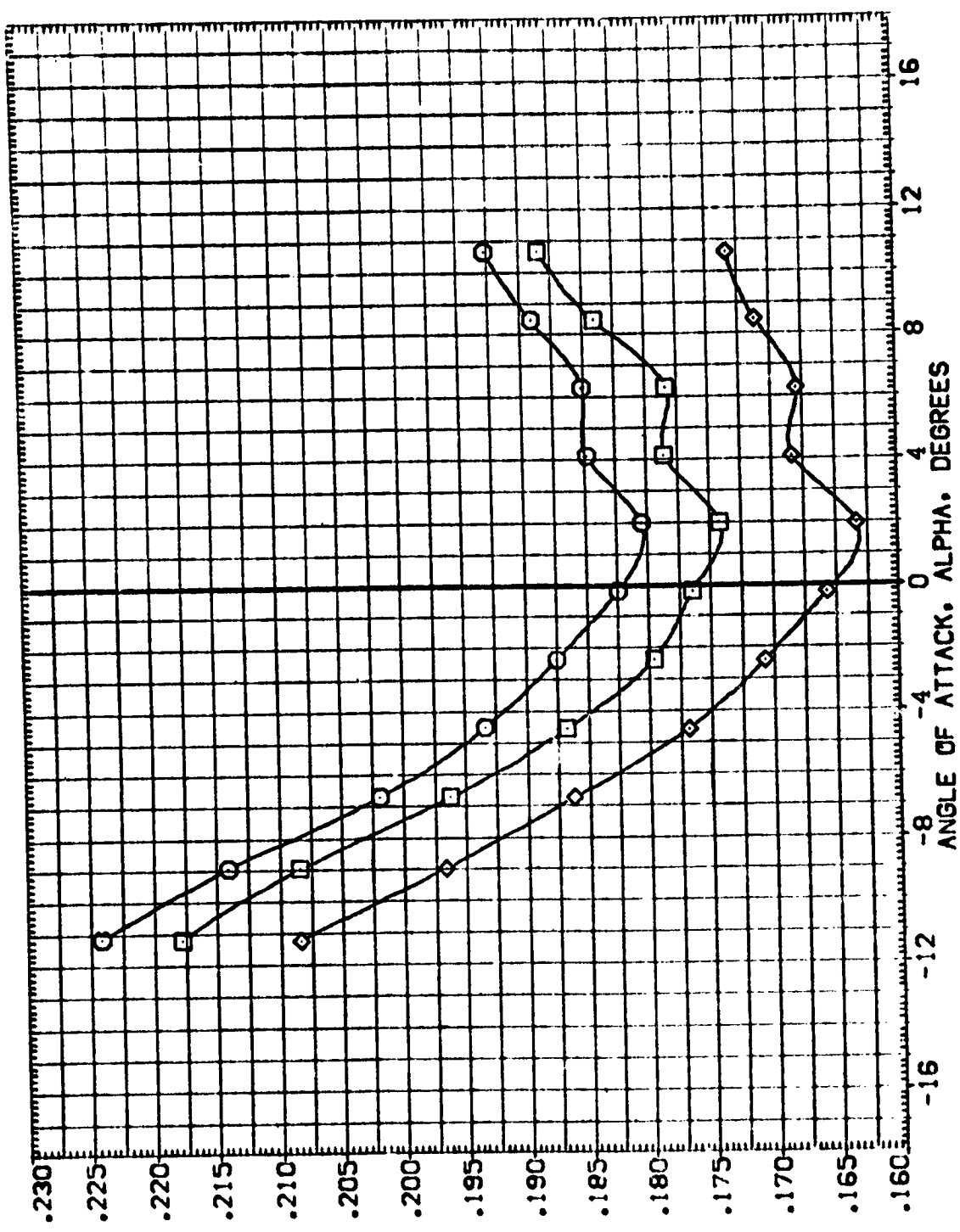
(C)MACH = .90

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 IN: 21

ELV-LQ ELV-LI ELV-RI ELV-RO
 .000 .000 .000 .000
 .000 .000 .000 .000
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DATA SET SYMBOL CONFIGURATION DESCRIPTION
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 (B-0002) O LARC 8-TPT-893 (1A43) CONF [GURAT] ON 02/14/58

BASE AXIAL FORCE COEFFICIENT, CAB



OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

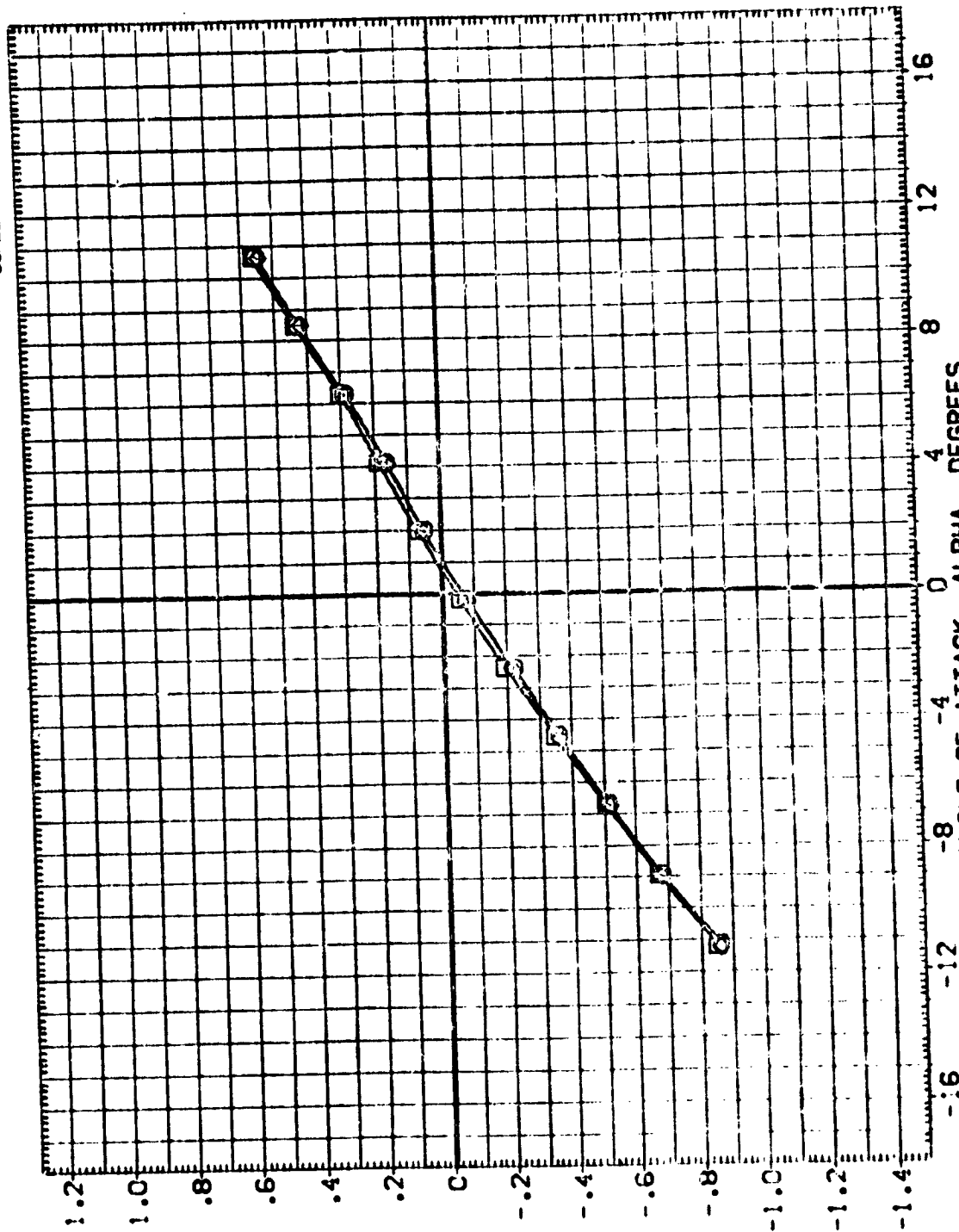
(C)MACH = .90

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REFERENCE INFORMATION
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LREF 1290.3000 INCHES
BREF 1290.3000 INCHES
XVRP 576.0000 IN. XT
YVRP 400.0000 IN. YT
ZVRP 400.0000 IN. ZT
SCALE .0100

ELV-L0 ELV-L1 ELV-R1 ELV-R0
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DATA SET SYMBOL CONFIGURATION DESCRIPTION
[B-C003] LARC 8-TPT-693 [1A43] CONF [GURAT] ON 02/14/57
[B-C002] LARC 8-TPT-693 [1A43] CONF [GURAT] ON 02/14/58



FOREBODY NORMAL FORCE COEFFICIENT • CNF

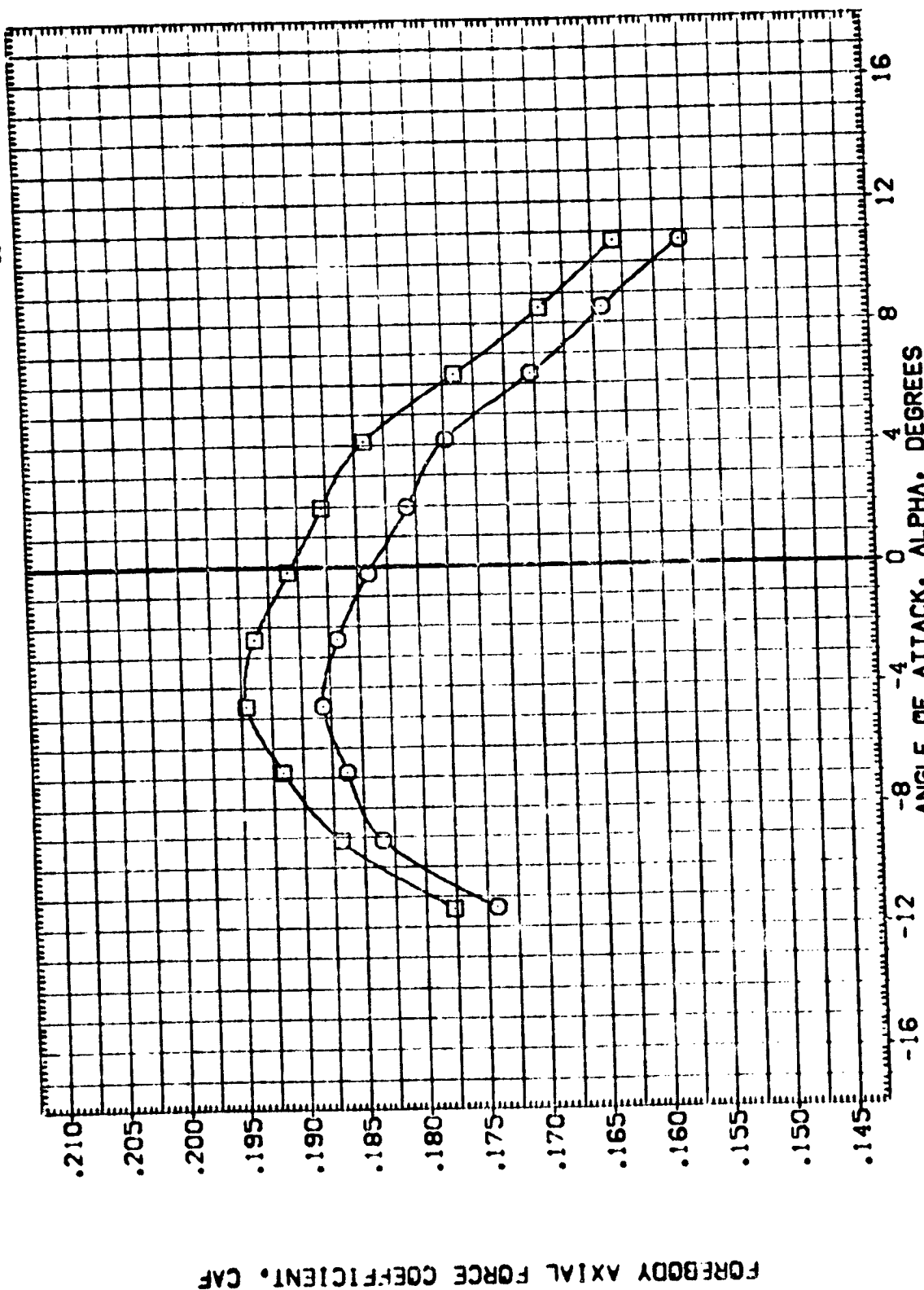
OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL: 9-0006
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 (8-0001)
 (8-0002)

CONFIGURATION DESCRIPTION
 LARC 8-TPT-653 (1A13) CONFIGURATION 02/14/57
 LARC 8-TPT-653 (1A13) CONFIGURATION 03/14/57
 DATA NOT AVAILABLE

ELV-L0 ELV-L1 ELV-R1 ELV-R0

REFERENCE INFORMATION
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 LREF 1290.3000 INCH-ES
 BREF 1290.3000 INCH-ES
 XPRP 576.0000 IN. XT
 YPRP 400.0000 IN. ZT
 ZPRP 400.0000 IN. ZT
 SCALE .0100



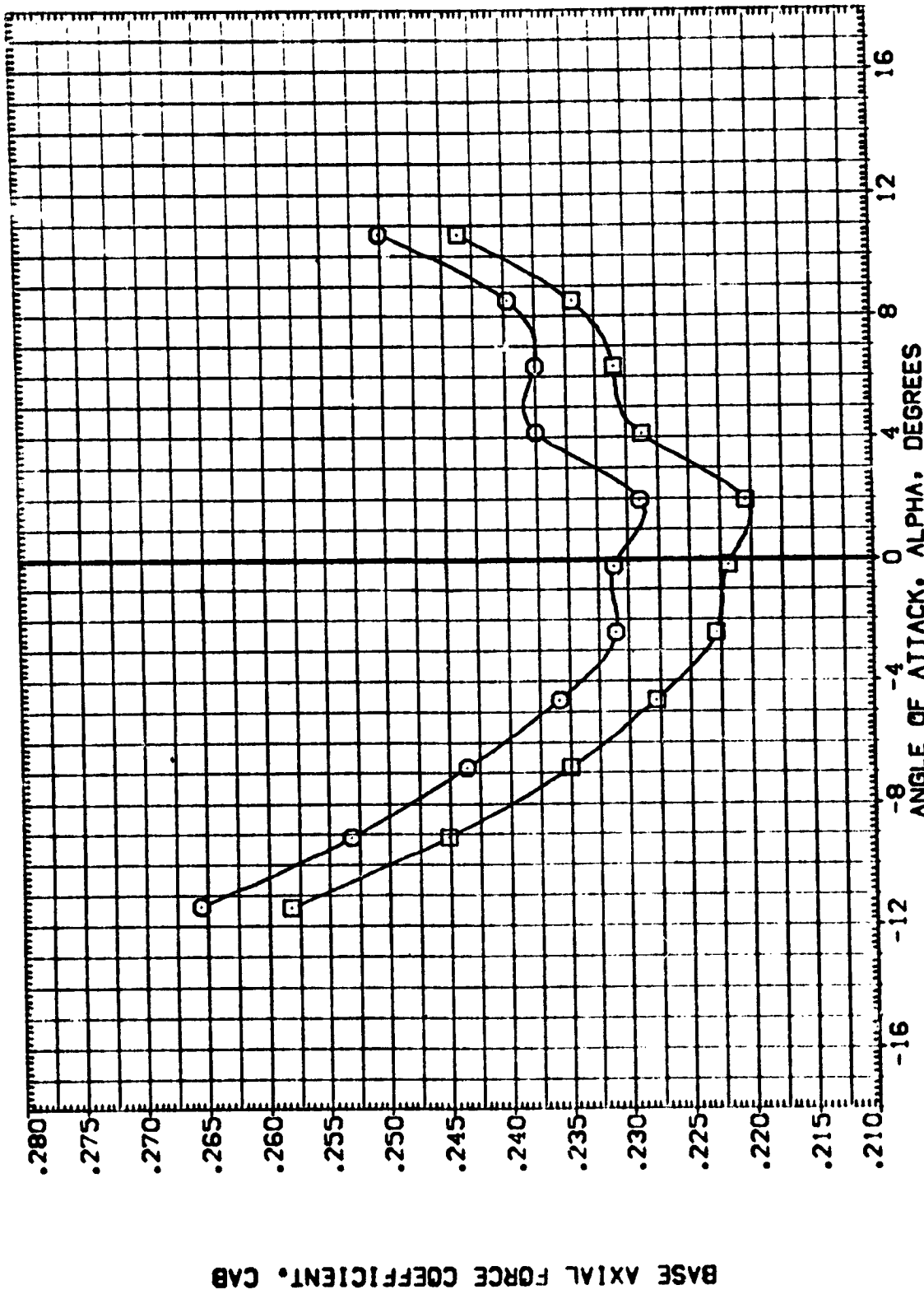
FOREBODY AXIAL FORCE COEFFICIENT, CAF

OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL:
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 CONFIGURATION DESCRIPTION:
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 LARC 8-TPT-693 [A43] CONFIGURATION 03/T/57
 DATA NOT AVAILABLE

ELV-L0 ELV-L1 ELV-R1 ELV-R0
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REFERENCE INFORMATION:
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 BREF 130.0000 INCHES
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 YREF 400.0000 IN. ZI
 SCALE .0100



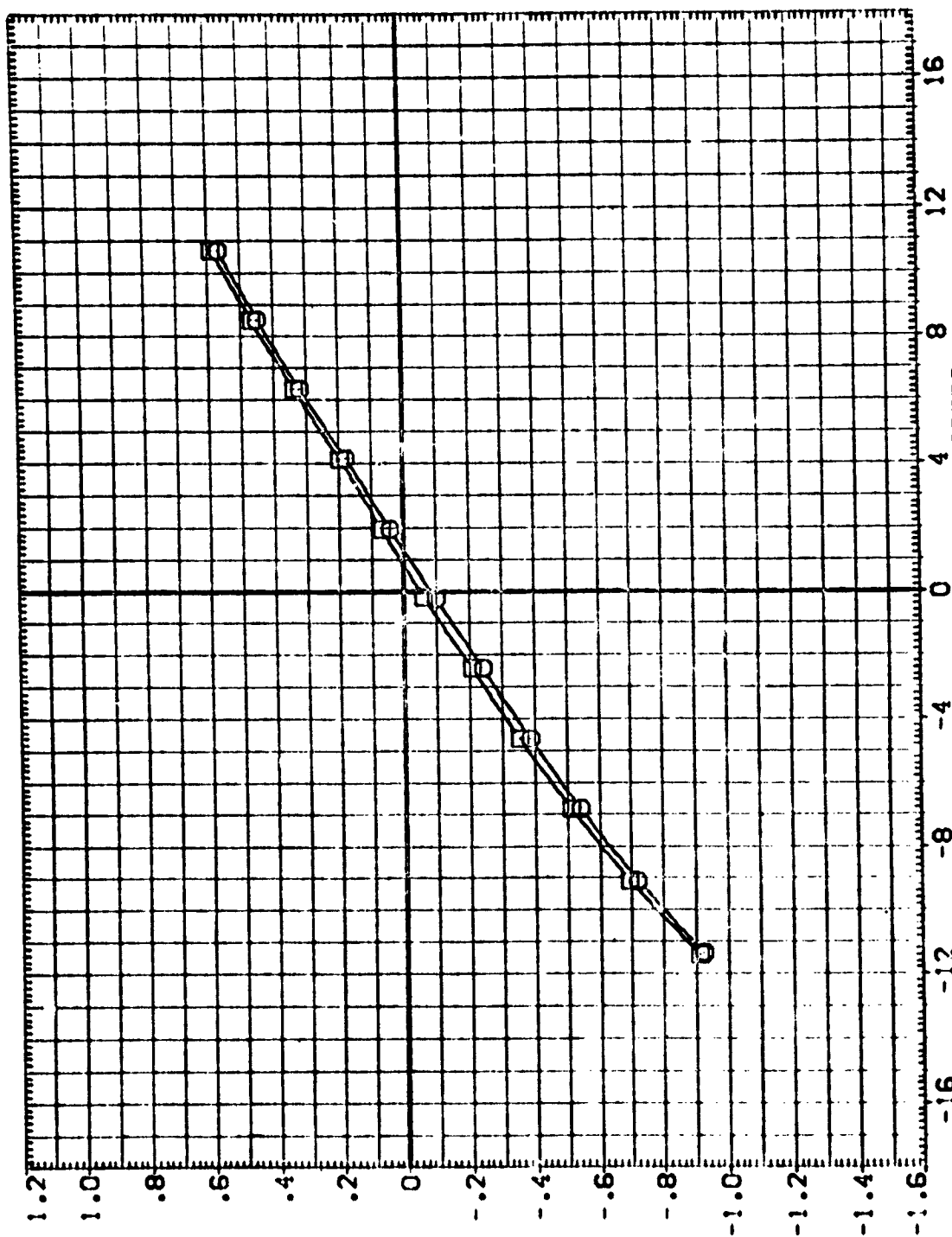
OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL: [B-C005] [B-C001] [B-C002]

CONFIGURATION DESCRIPTION: LARC 8-TPT-693 (1A43) COF [BURATION 02/14/57] COF [BURATION 03/14/57] DATA NOT AVAILABLE

REFERENCE INFORMATION: SQ.FT. 2690.0000 INCHES 1290.3000 INCHES 1290.3000 IN. XT 576.0000 IN. YT 400.0000 IN. ZT 400.0000 SCALE .0100

ELV-L0 ELV-L1 ELV-R1 ELV-R0



FOREBODY NORMAL FORCE COEFFICIENT • CNF

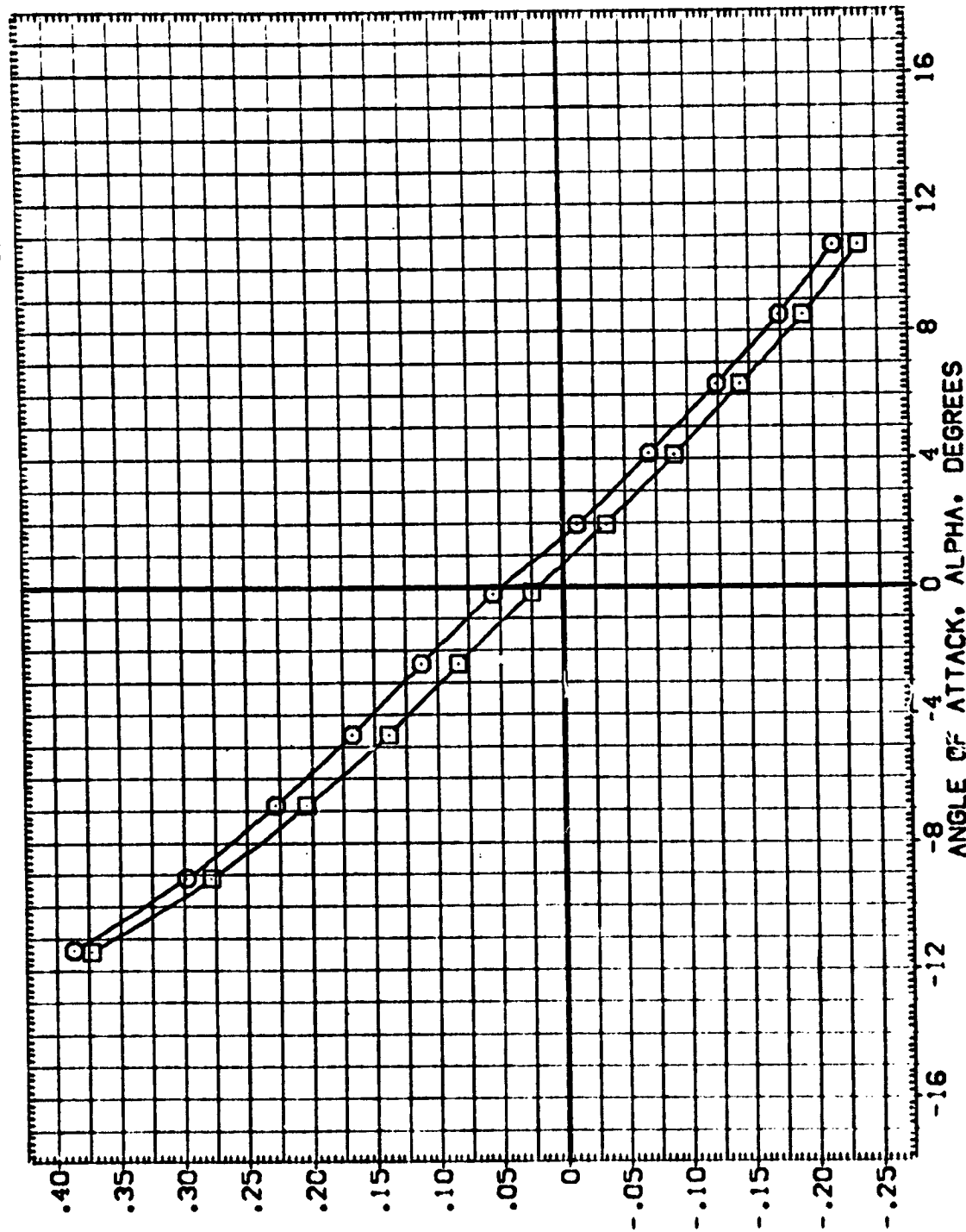
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OF POOR QUALITY

OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(O)MACH = .98

DATA SET SYMBOL: [B-C006] [B-C001] [B-C002]
 CONFIGURATION DESCRIPTION: LARC 8-TPT-693 (1A13) CONF[IGURATION 02/14/57] LARC 8-TPT-693 (1A13) CONF[IGURATION 03/14/57] DATA NOT AVAILABLE

ELV-L6 ELV-L1 ELV-R1 ELV-R2
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 REFERENCE: SREF 76 0000 SQ.FT. LREF 3000 INCHES BREF 50.000 INCHES XMRP 576.0000 IN. Y1 ZMRP 400.0000 IN. Y2 SCALE 100.0100



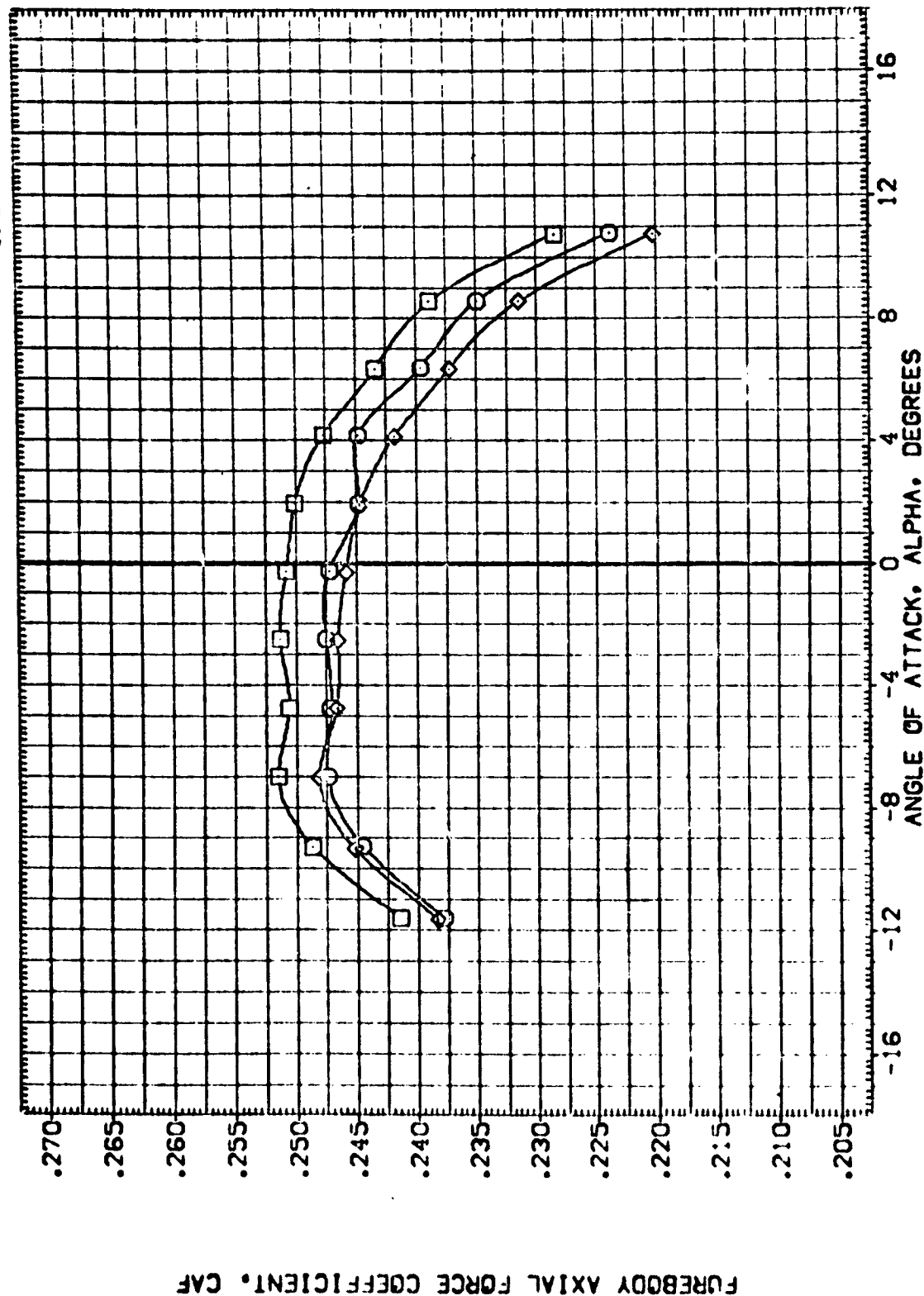
FOREBODY PITCHING MOMENT COEFFICIENT • CLMF

OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(O)MACH = .98

PAGE 86

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-L0	ELV-L1	ELV-R1	ELV-R0	REFERENCE INFORMATION
[B-C006]	LARC 8-TPT-893 (1A13) CONF [GURAT] ON 02/14/57	.000	.000	.000	.000	SREF 2630.0000 SQ.FT.
[B-C001]	LARC 8-TPT-893 (1A13) CONF [GURAT] ON 02/14/57	.000	.000	.000	.000	LREF 1250.3000 INCHES
[B-C002]	LARC 8-TPT-893 (1A13) CONF [GURAT] ON 02/14/58	.000	.000	.000	.000	BREF 1250.3000 INCHES
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						ZREF 400.0000 IN. YT
						ZREF 400.0000 IN. ZT
						SCALE .0100

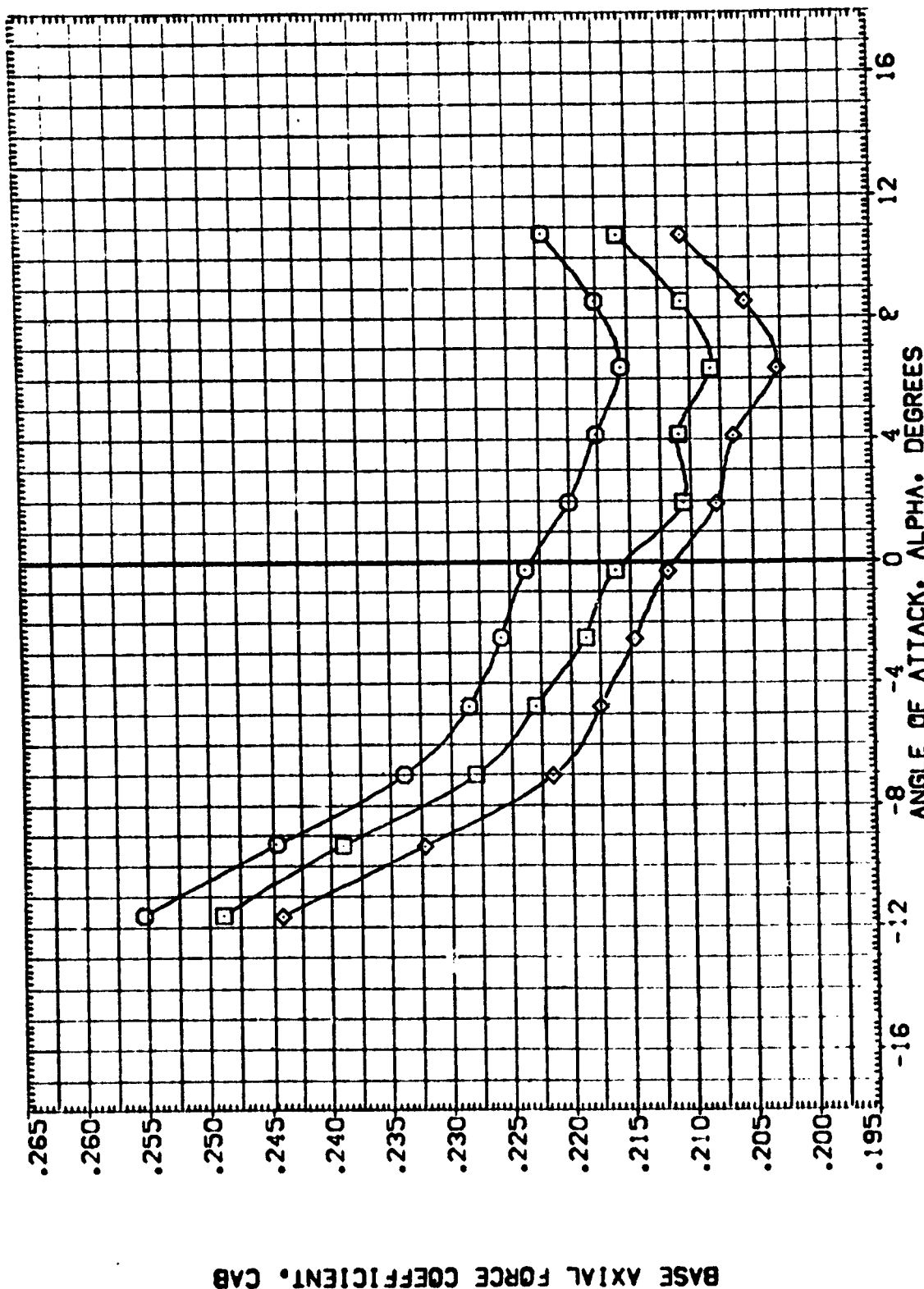


OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(E)MACH = 1.13

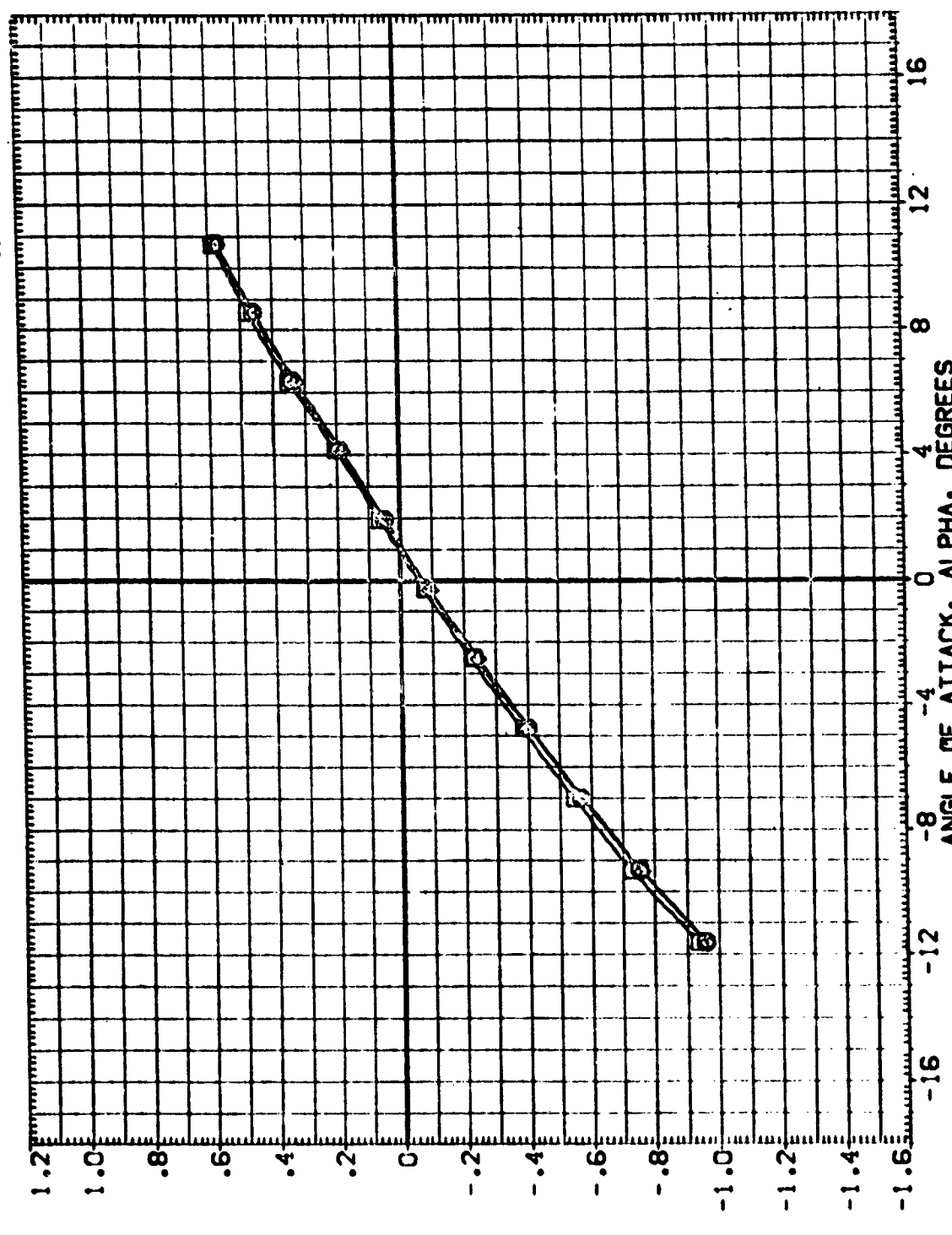
DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-LG	ELV-LI	ELV-RI	ELV-RO	REFERENCE INFORMATION
[B-C006]	LARC 8-TPT-693 [1A13] CONF [1A13]	.000	.000	.000	.000	SREF 230.0000
[B-C001]	LARC 8-TPT-693 [1A13] CONF [1A13]	.000	.000	.000	.000	LREF 230.0000
[B-C002]	LARC 8-TPT-693 [1A13] CONF [1A13]	.000	.000	.000	.000	SREF 230.0000
						YMRP 576.0000
						ZMRP 400.0000
						SCALE .0100



OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-L0	ELV-L1	ELV-R1	ELV-R0	REFERENCE INFORMATION
(B-C006)	LARC 8-TPT-693 (1A43) CONF [GURATION 02/T4/S7	.000	.000	.000	.000	SREF 2690.0000 SQ.FT.
(B-C001)	LARC 8-TPT-693 (1A43) CONF [GURATION 03/T4/S7	.000	.000	.000	.000	LREF 1290.3000 INCHES
(B-C002)	LARC 8-TPT-693 (1A43) CONF [GURATION 02/T4/S8	.000	.000	.000	.000	BREF 1290.3000 IN. XT
						XPRP 976.0000 IN. XT
						YPRP 400.0000 IN. ZT
						ZPRP 400.0000 IN. ZT
						SCALE .0100

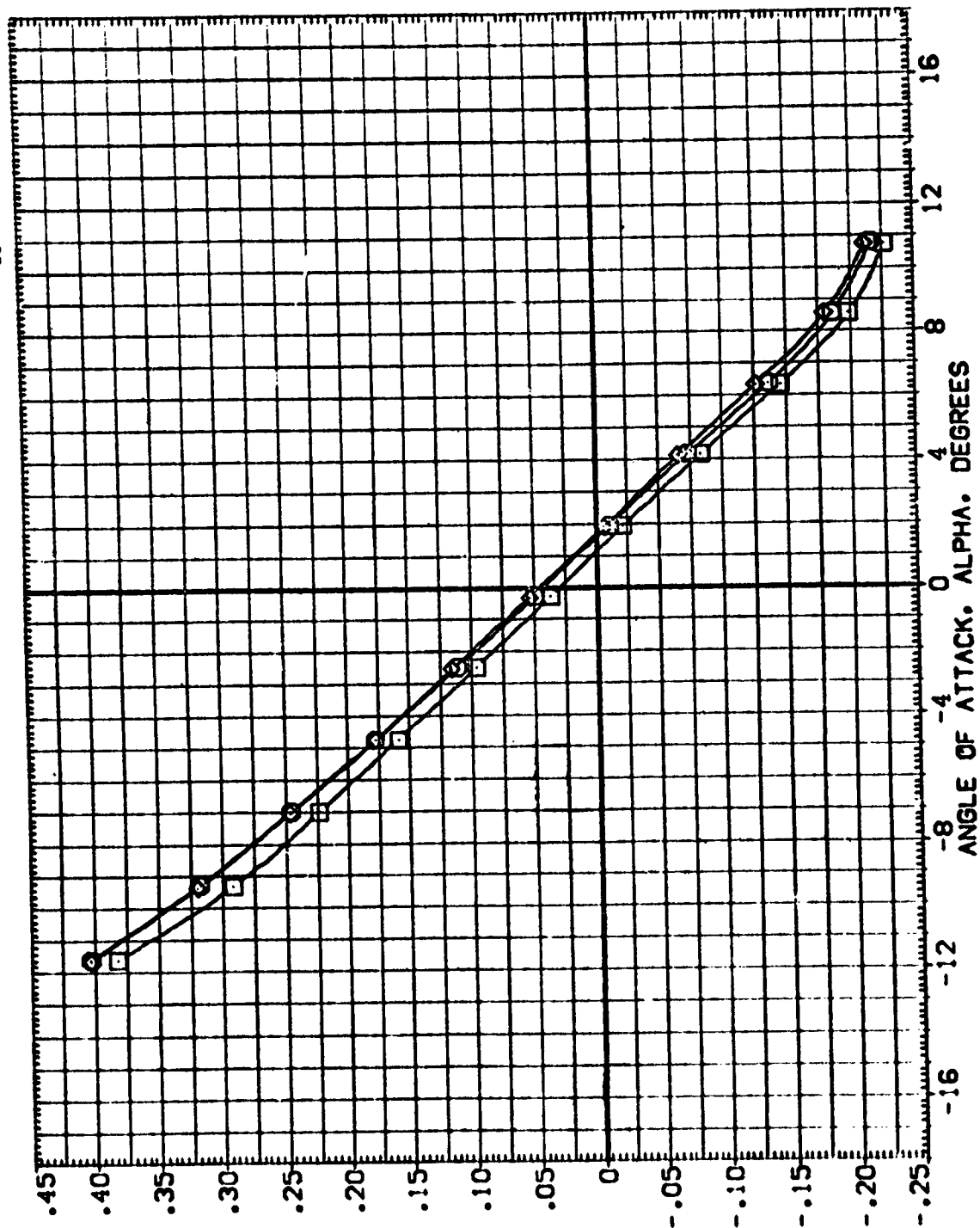


FOREBODY NORMAL FORCE COEFFICIENT • CNF

OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

FOREBODY PITCHING MOMENT COEFFICIENT • CLMF

DATA SET SYMB.	CONFIGURATION DESCRIPTION	ELV-L0	ELV-L1	ELV-R1	ELV-R0	REFERENCE INFORMATION
[B-C006]	LARC 8-TPT-693 (1A13) CONFIGURATION 02/14/57	.000	.000	.000	.000	SREF 2630.0000 SQ.FT.
[B-C007]	LARC 8-TPT-693 (1A13) CONFIGURATION 03/14/57	.000	.000	.000	.000	LREF 1.90.3000 INCHES
[B-C002]	LARC 8-TPT-693 (1A13) CONFIGURATION 02/14/58	.000	.000	.000	.000	BREF 1.90.3000 INCHES
						XPRP 576.0000 IN. XT
						ZPRP 400.0000 IN. ZT
						SCALE .0100



OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(E)MACH = 1.13

REFERENCE INFORMATION

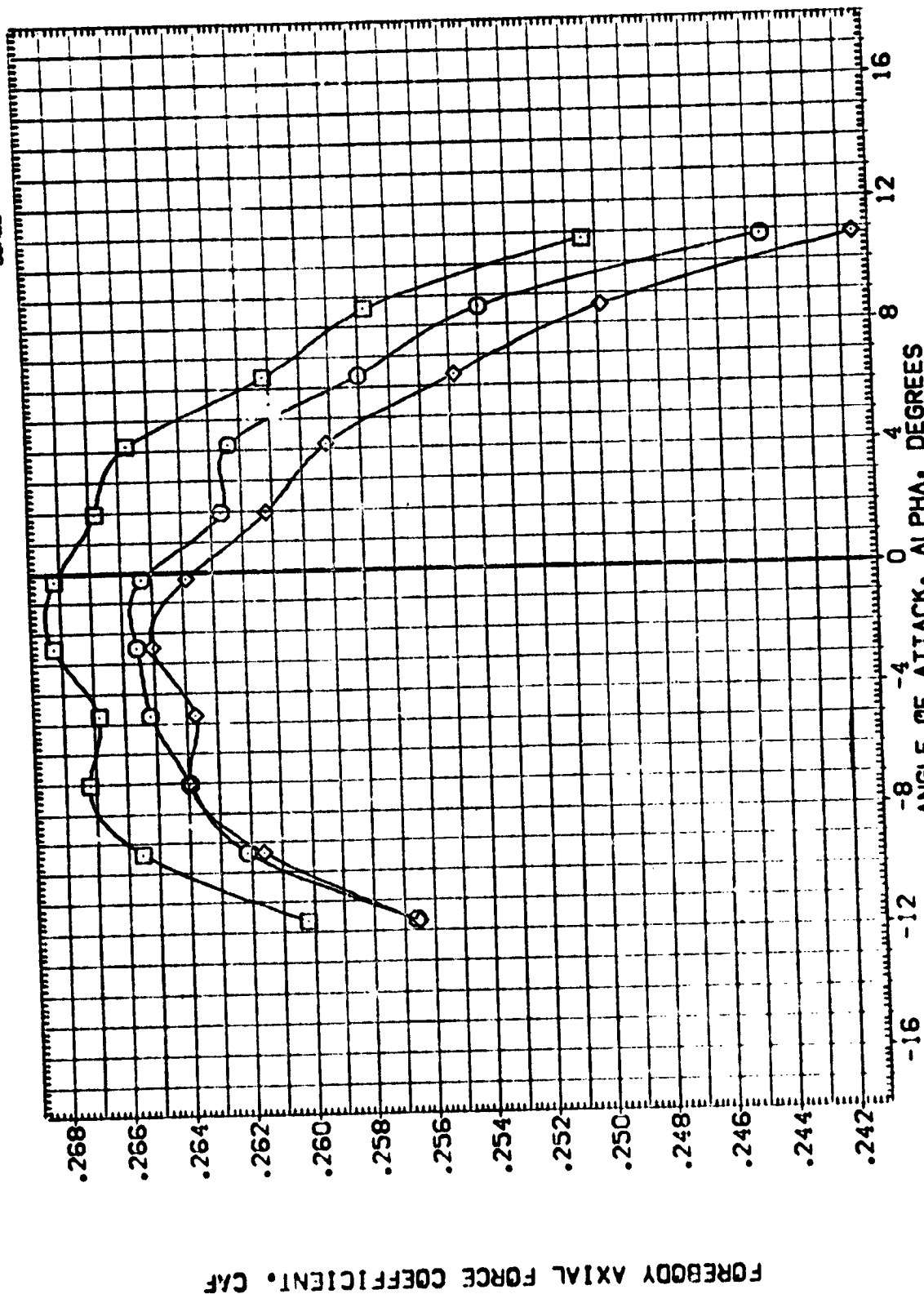
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BREF	1290.3000	IN.O.S
XREF	976.0000	IN. XT
YREF	400.0000	IN. ZT
ZREF	400.0000	IN. ZT
SCALE	.0100	

ELV-L0 ELV-L1 ELV-R1 ELV-R0

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.000	.000	.000	.000

DATA SET SYMBOL

CONFIGURATION DESCRIPTION	02/14/57
LARC 8-TPT-693 [1A13]	02/14/57
LARC 8-TPT-693 [1A13]	02/14/57
LARC 8-TPT-693 [1A13]	02/14/58



OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS



DATA SET SYMBOL CONF GURATION DESCRIPTION CONF GURATION 02/14/57 02/14/58

[B-C006] □ LARC 8-TPT-693 [A43] CONF GURATION 02/14/57

[B-C001] ◇ LARC 8-TPT-693 [A43] CONF GURATION 02/14/58

[B-C002] ◇ LARC 8-TPT-693 [A43] CONF GURATION 02/14/58

REFERENCE INFORMATION

SREF 590.0000 SQ.FT.

LREF 1290.3000 INCHES

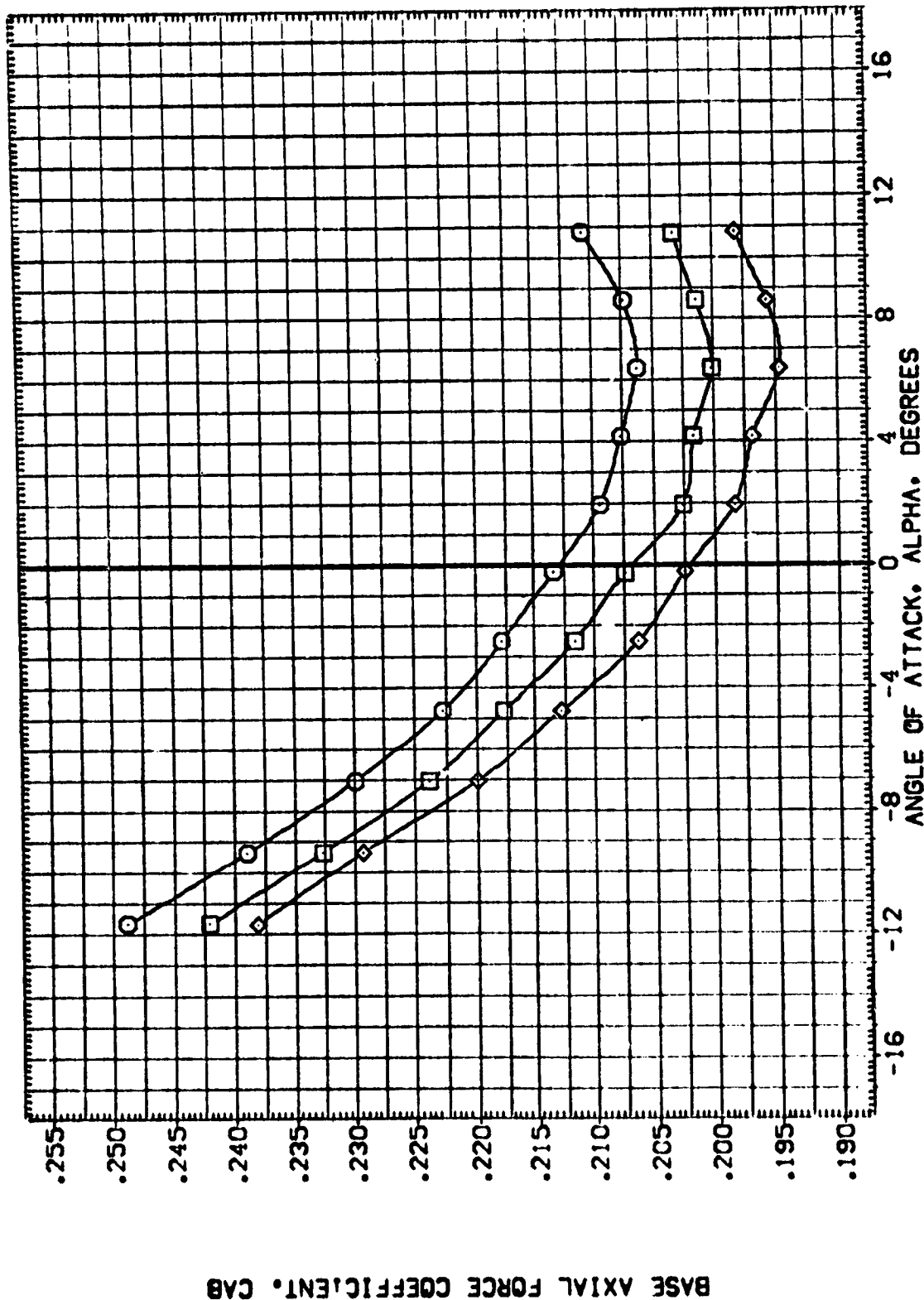
BREF 1290.3000 INCHES

XMRP 576.0000 IN. XT

YMRP 400.0000 IN. YT

ZMRP 400.0000 IN. ZT

SCALE .0100



OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(F)MACH = 1.20

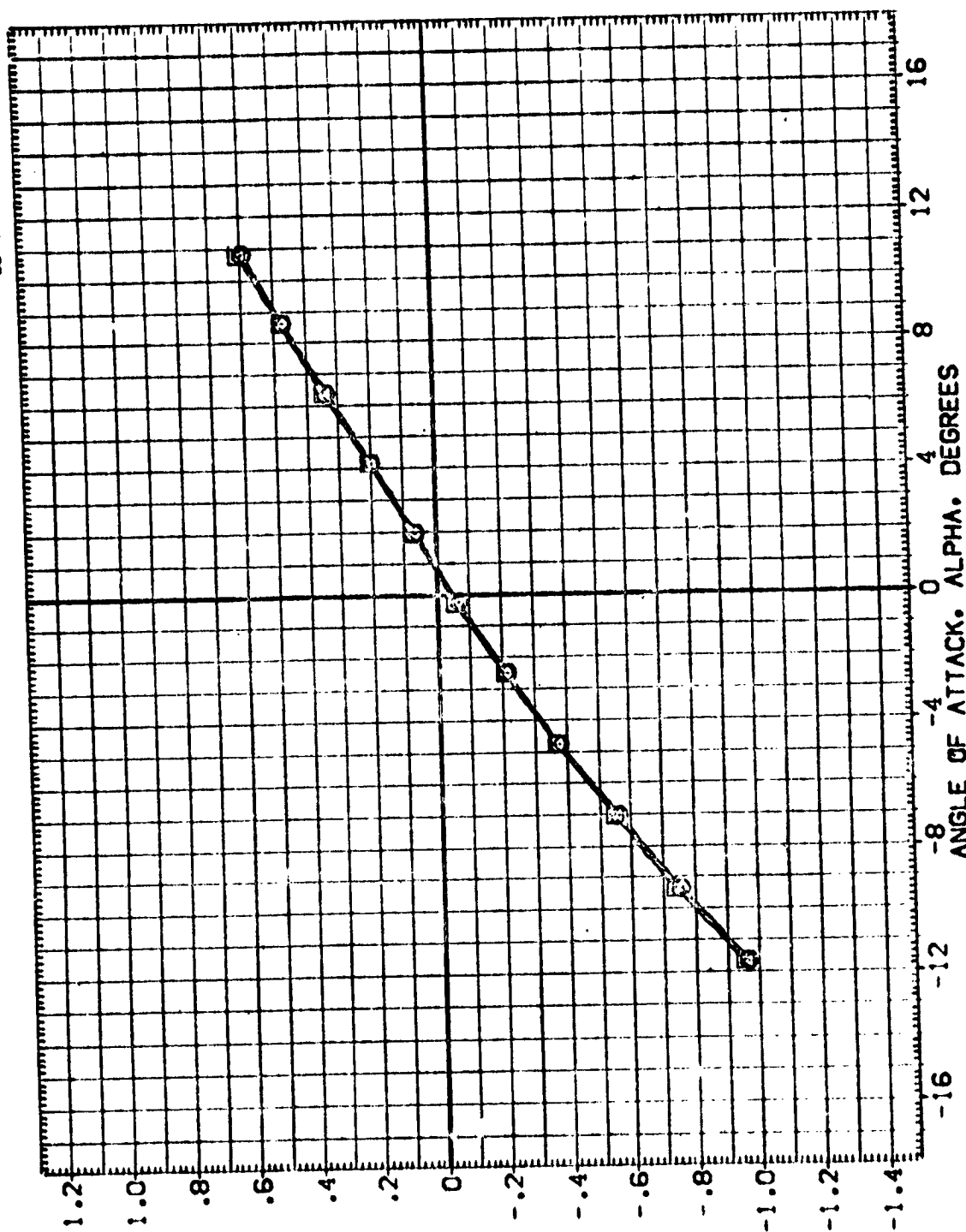
DATA SET SYMBOL: [B-C006] [B-C007] [B-C002]

CONFIGURATION DESCRIPTION
 LARC 8-TPT-693 [1A43] CONFIGURATION 02/14/57
 LARC 8-TPT-693 [1A43] CONFIGURATION 03/14/57
 LARC 8-TPT-693 [1A43] CONFIGURATION 02/14/58

ELV-L0 ELV-L1 ELV-R1 ELV-R0

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 INCHES
 BREF 1290.3000 INCHES
 XPRP 976.0000 IN. XT
 YPRP 400.0000 IN. YT
 ZPRP 400.0000 IN. ZT
 SCALE .0100

FOREBODY NORMAL FORCE COEFFICIENT • CNF

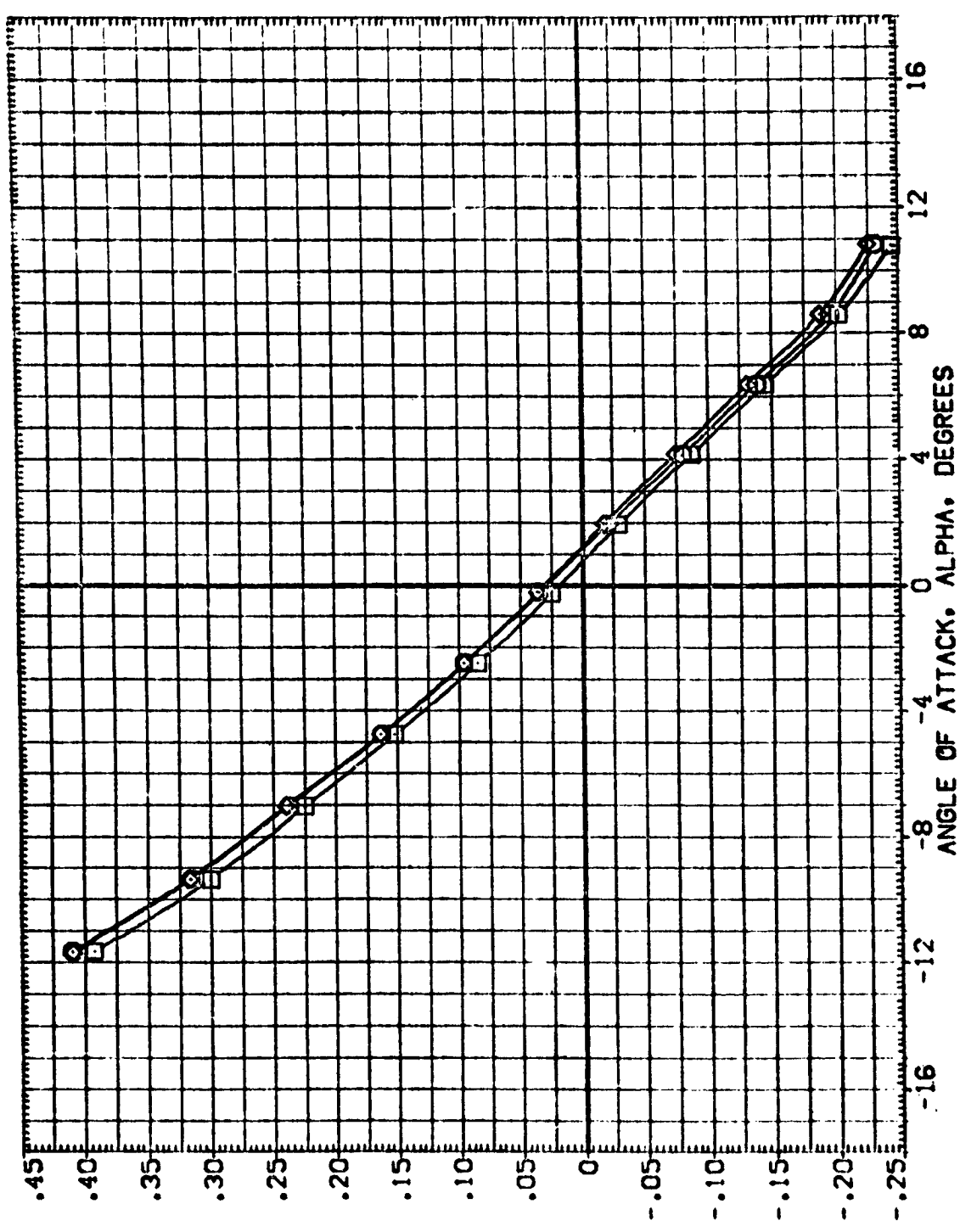


OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL CONFIGURATION DESCRIPTION ELV-LC ELV-LJ ELV-RJ ELV-RG REFERENCE INFORMATION

[B-C006]	LARC 8-TPT-693 ([A43])	CONFIGURATION 02/14/57	.000	.000	.000	.000	SREF 1890.0000	50.57
[B-C001]	LARC 8-TPT-693 ([A43])	CONFIGURATION 03/14/57	.000	.000	.000	.000	LREF 1290.3000	1.00
[B-C002]	LARC 8-TPT-693 ([A43])	CONFIGURATION 02/14/58	.000	.000	.000	.000	SREF 1290.3000	1.00
							XREF 976.0000	1.00
							YREF 400.0000	1.00
							ZREF 100.0000	1.00
							SCALE .0100	

FOREBODY PITCHING MOMENT COEFFICIENT • CLMP



OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOLS: [B-C006] [B-C001] [B-C002]

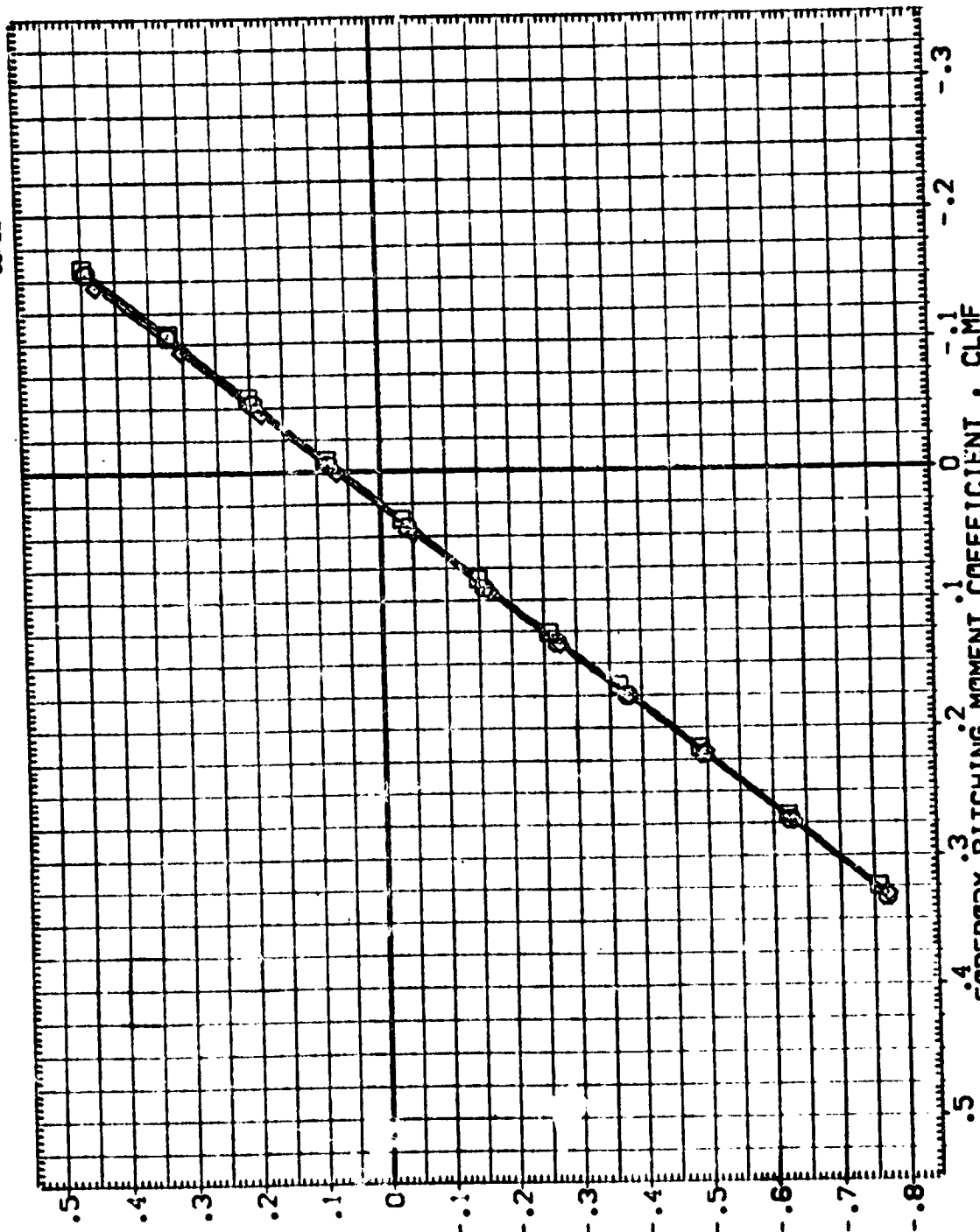
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LARC 8-TPT-693 [1A13] 02/14/57
LARC 8-TPT-693 [1A13] 02/14/58

ELV-L0 ELV-L1 ELV-R1 ELV-R0

REFERENCE INFORMATION: SREF LREF BREF XMRP YMRP ZMRP SCALE

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FOREBODY NORMAL FORCE COEFFICIENT • CNF



OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL: □
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 [B-C002]

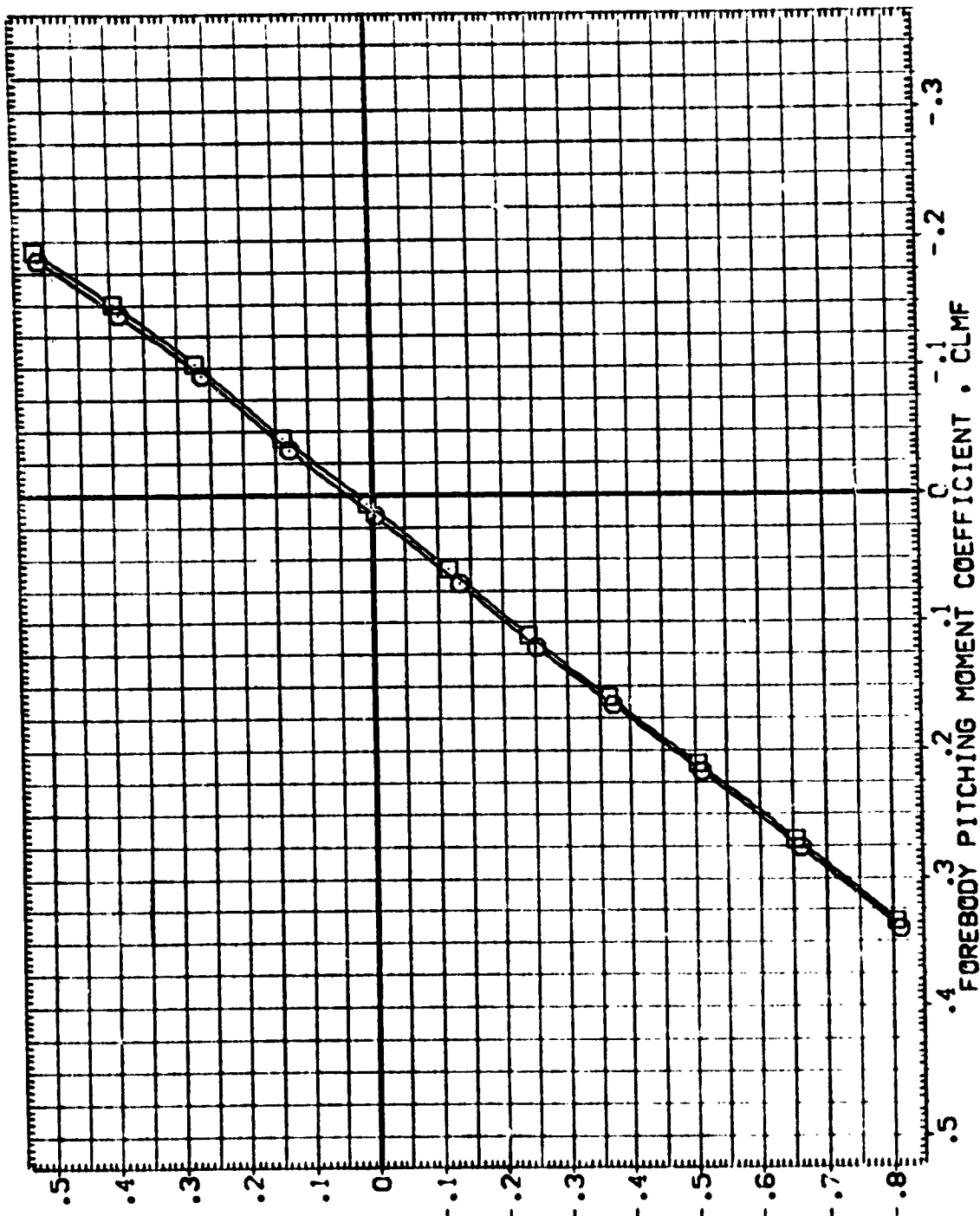
CONFIGURATION DESCRIPTION
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 LARC 8-TPT-693 [1A43] CONFIGURATION 03/14/57
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FOREBODY NORMAL FORCE COEFFICIENT • CNF



OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(B) VACH = .80

1. The first group of people who are not in the labor force are those who are not in the labor force because they are not in the labor force.

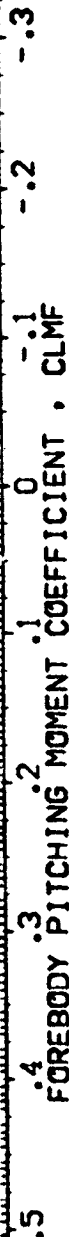


PAGE 97

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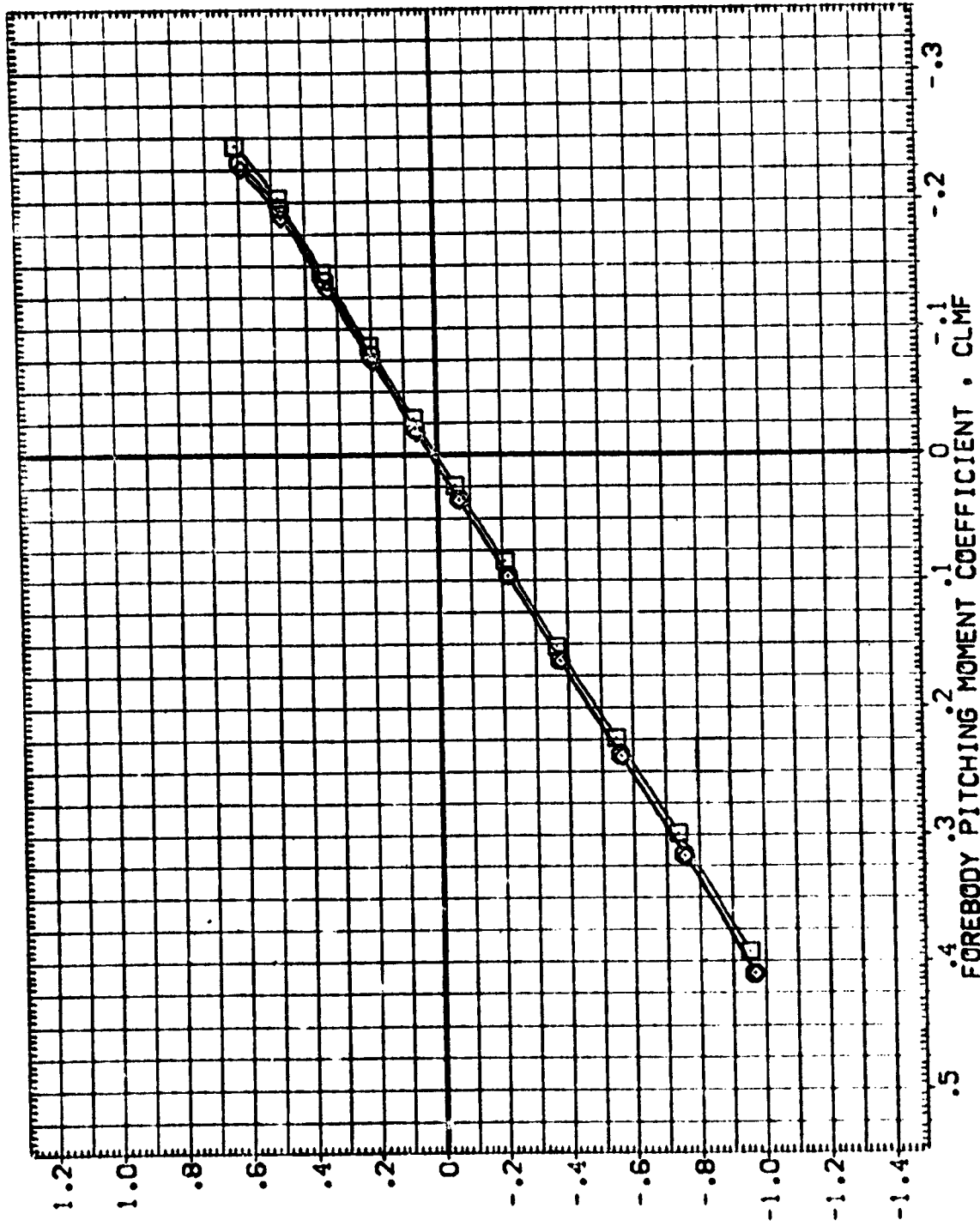


(E)MACH = 1.13

DATA SET SYMBOL CONFIGURATION DESCRIPTION ELV-LB ELV-LI ELV-R ELV-RO REFERENCE INFORMATION

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION	ELV-LB	ELV-LI	ELV-R	ELV-RO	REFERENCE INFORMATION
[B-C006]	LARC 8-TPT-693	[A13] CONF [GURAT] ON 02/14/57	.000	.000	.000	.000	SREF 2590.0000
[B-C001]	LARC 8-TPT-693	[A13] CONF [GURAT] ON 03/14/57	.000	.000	.000	.000	LREF 1230.3000
[B-C002]	LARC 8-TPT-693	[A13] CONF [GURAT] ON 02/14/56	.000	.000	.000	.000	BREF 1250.3000
							XREF 576.0000
							YREF .0000
							ZREF 400.0000
							SCALE .0100

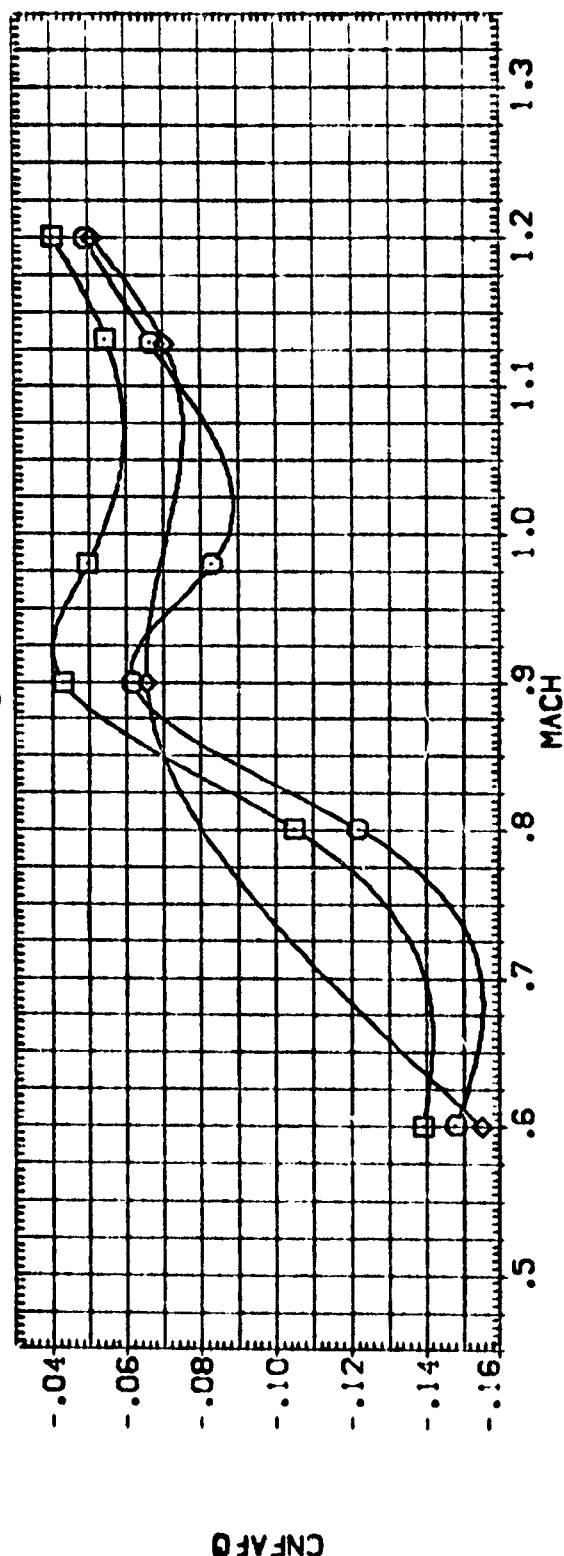
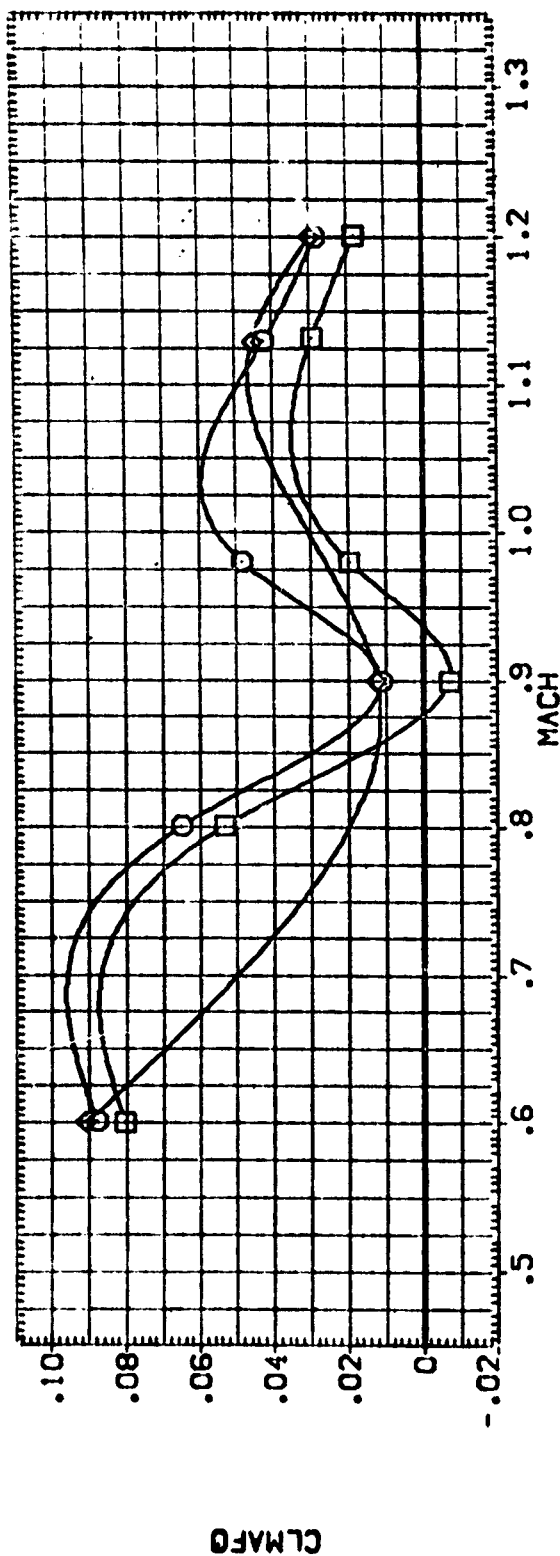
FOREBODY NORMAL FORCE COEFFICIENT • CNF



OMS POD AND SRB SKIRT EFFECT ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(F)MACH = 1.20

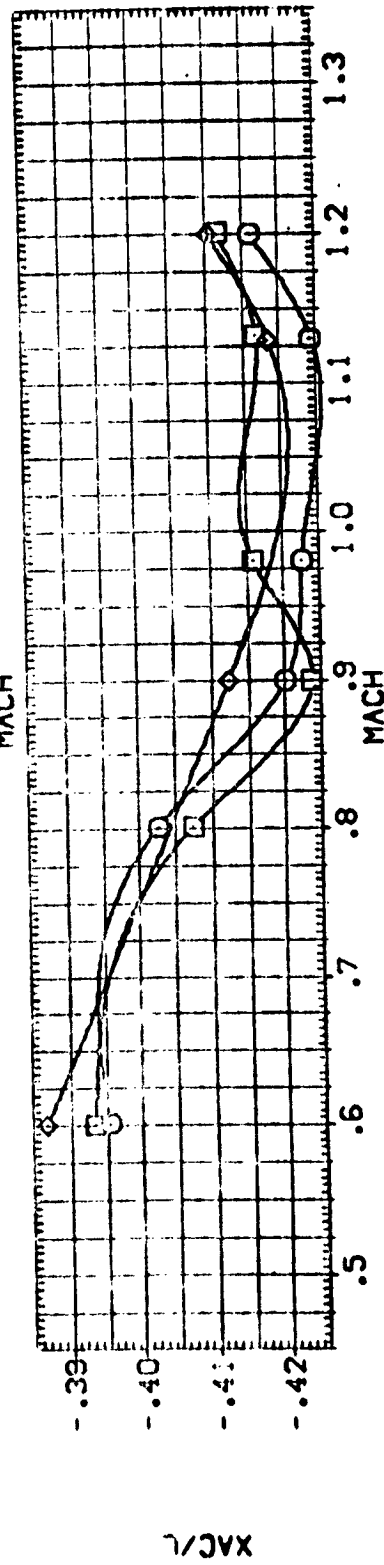
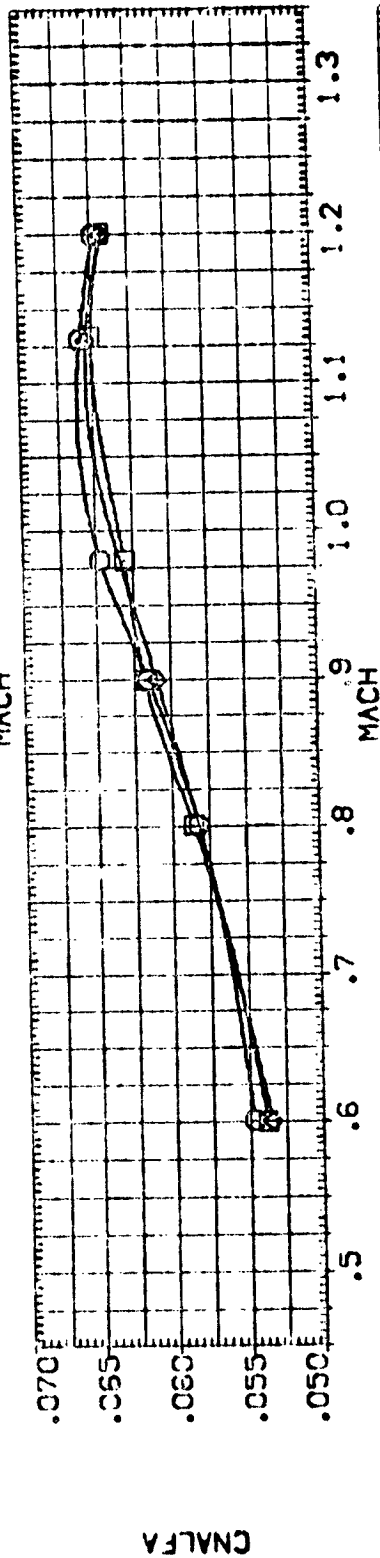
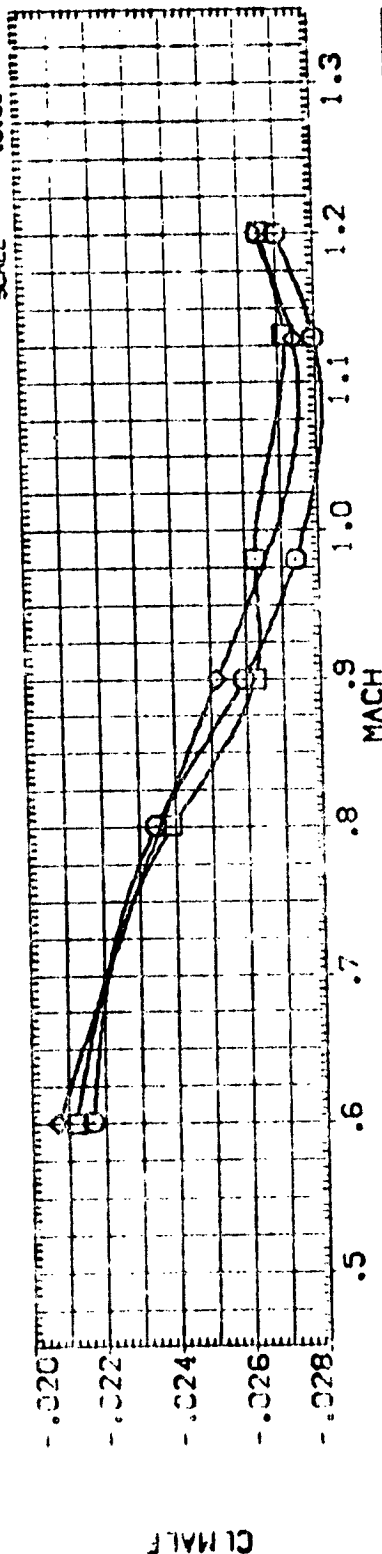
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GREF	150.0000
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ZPRP	400.0000
SCALE	.0100



REFERENCE INFORMATION
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 1250.3000 1250.3000
 976.0000 976.0000
 400.0000 400.0000
 ZMRP SCALE .0100

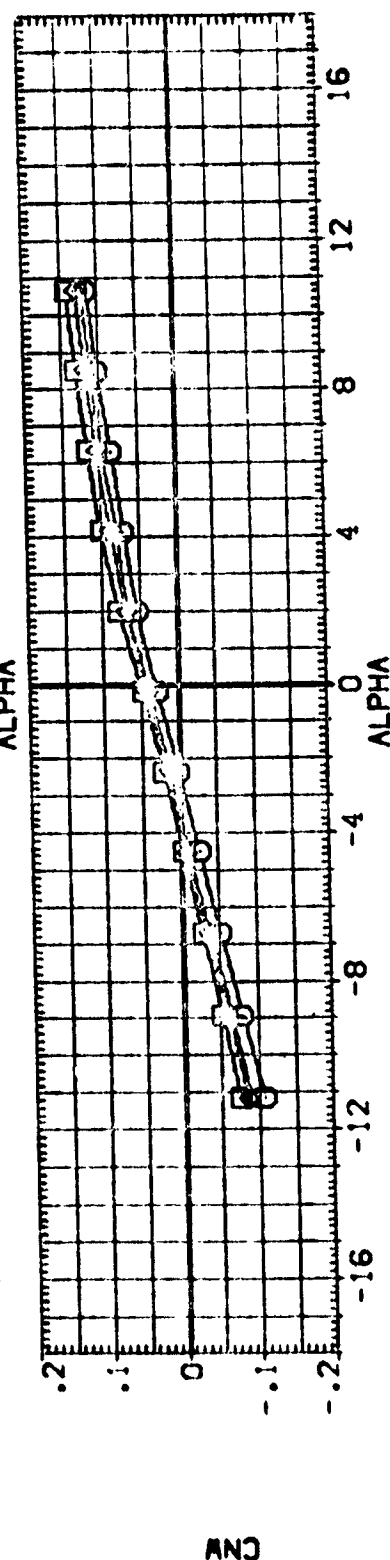
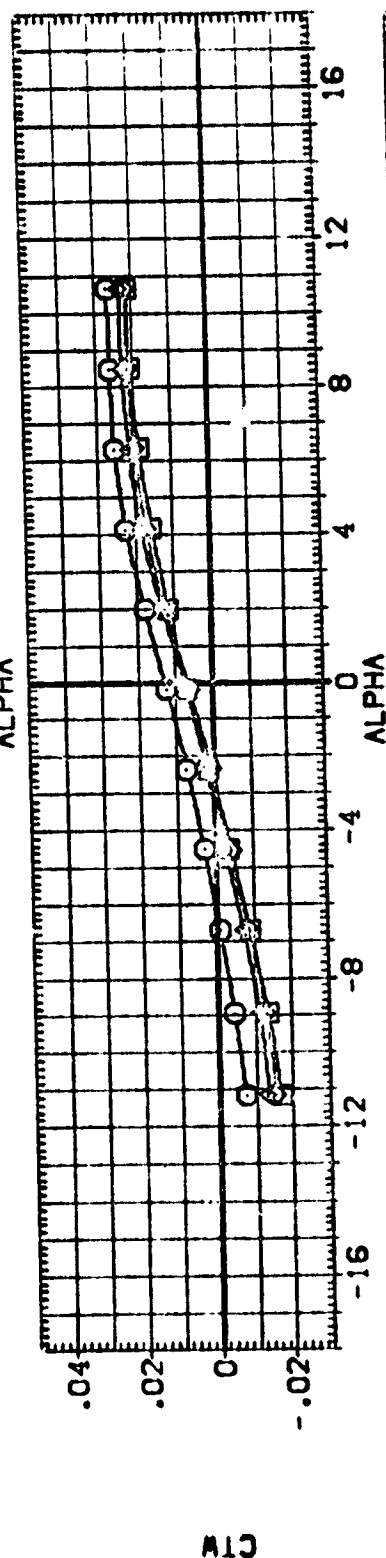
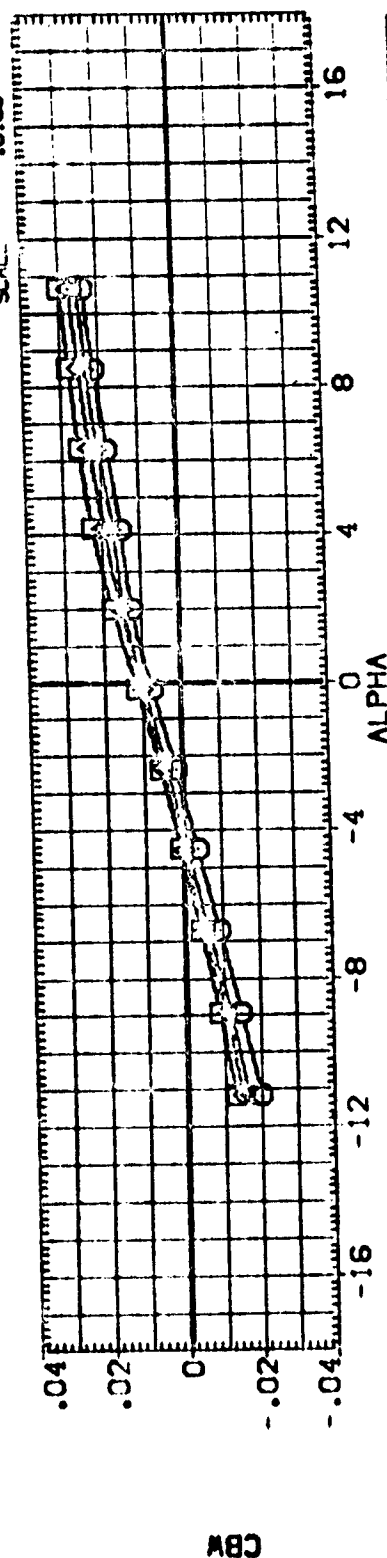
ELV-LD ELV-L1 ELV-R1 ELV-R2
 .000 .000 .000 .000
 .000 .000 .000 .000
 .000 .000 .000 .000

CONFIGURATION DESCRIPTION
 LANC 8-TST-883 (1A3) 02/14/57
 LANC 8-TST-883 (1A3) 03/14/57
 LANC 8-TST-883 (1A3) 03/14/57
 LANC 8-TST-883 (1A3) 03/14/57



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 OF POOR QUALITY

GREF	2000
LEAF	96.3000
BREF	20.3000
XVPP	976.0000
VYPP	400.0000
ZVPP	400.0000
SCALE	.0100



EFFECT OF ELEVONS ON WING LOADS WITH INBOARDS AT 4 DEGREES

$$C_A \text{MACH} = .90$$

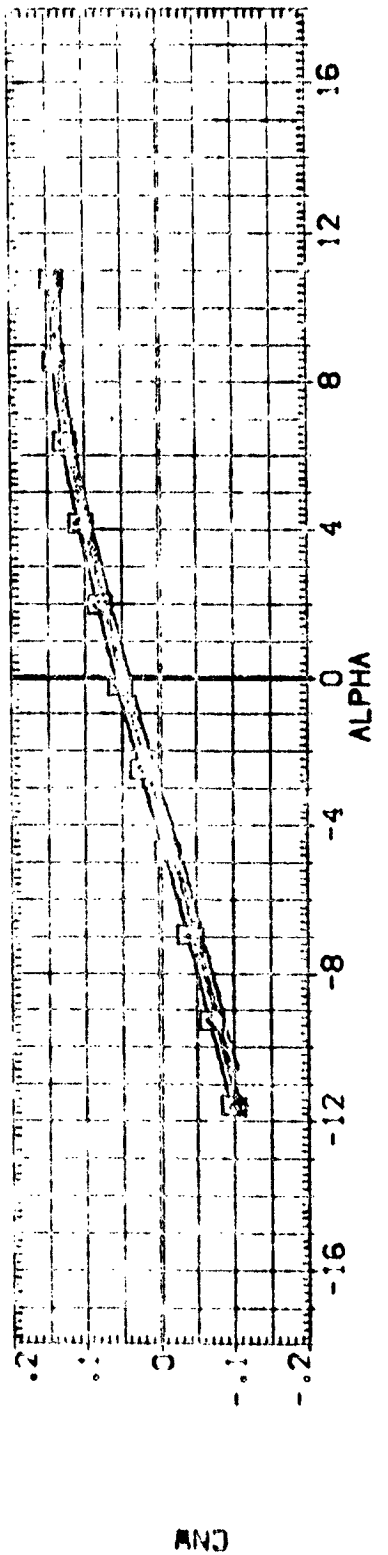
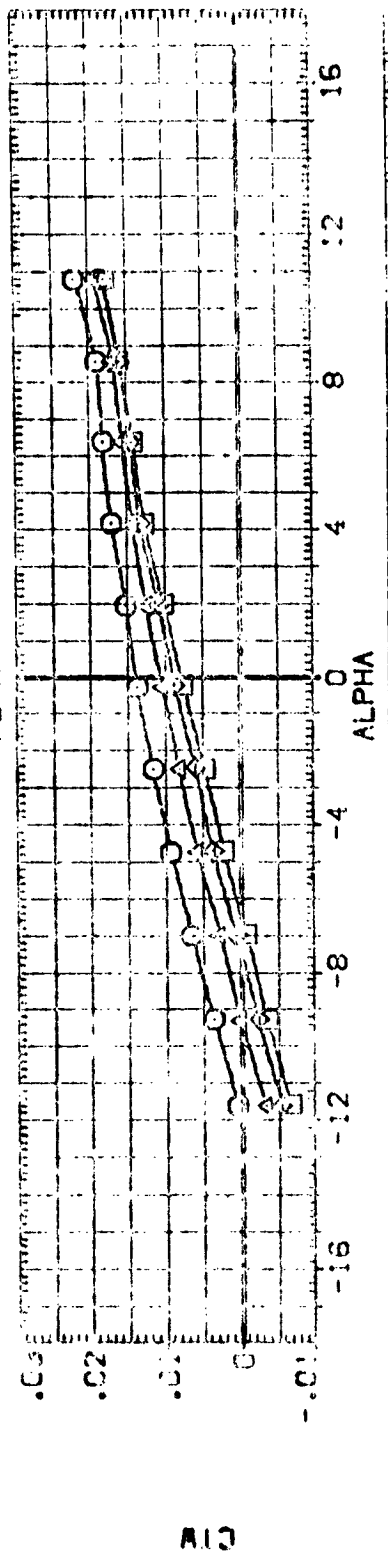
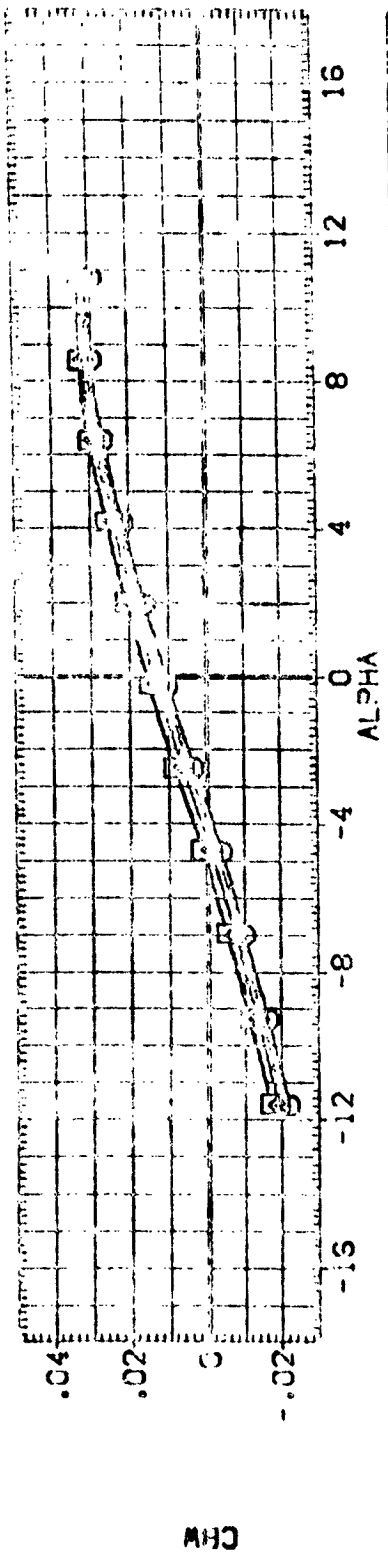
PAGE 104

[illegible]

(B)MACH = .98

ORIGINAL PAGE IS
OF POOR QUALITY

DATA SET SYMBOL CDF IGURATION DESCRIPTION
 [R-006] Q LARC 8-TPT-833 [1A3] CDF IGURATION 07/14/57
 [R-013] O LARC 8-TPT-833 [1A3] CDF IGURATION 07/14/57
 [R-014] O LARC 8-TPT-833 [1A4]



EFFECT OF ELEVONS ON WING LOADS WITH INBOARDS AT 4 DEGREES

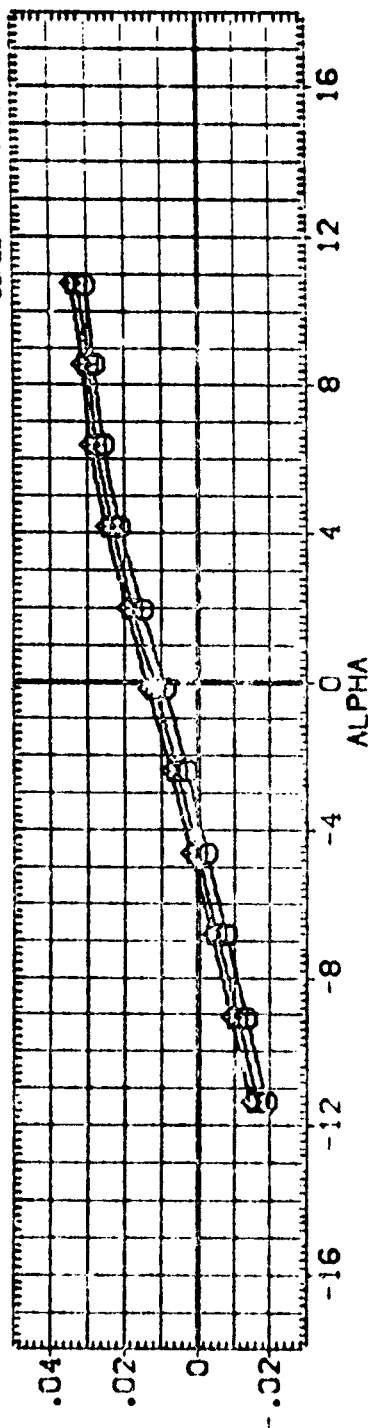


[illegible]

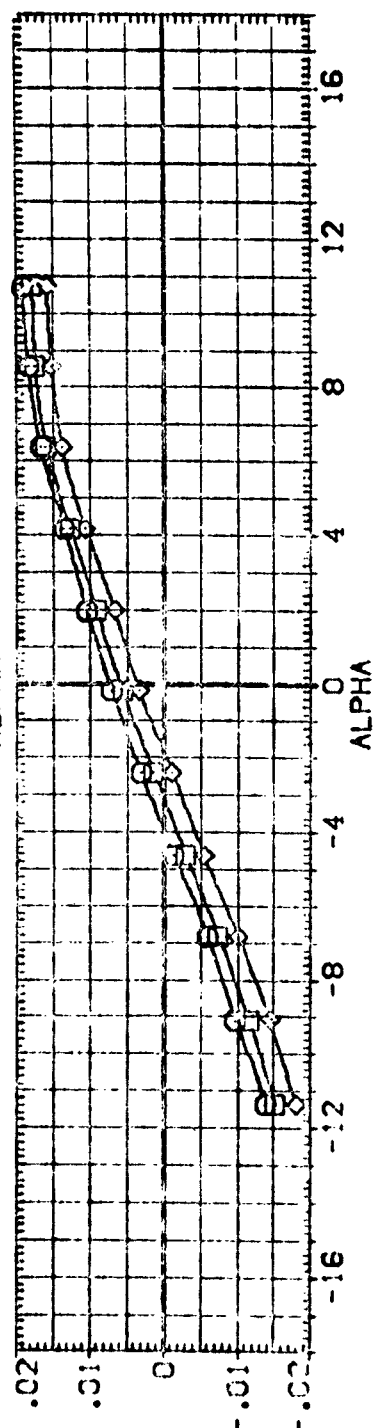
CAS MACH = .90

DATA SET SYMBOL CONFIGURATION DESCRIPTION REFERENCE INFORMATION

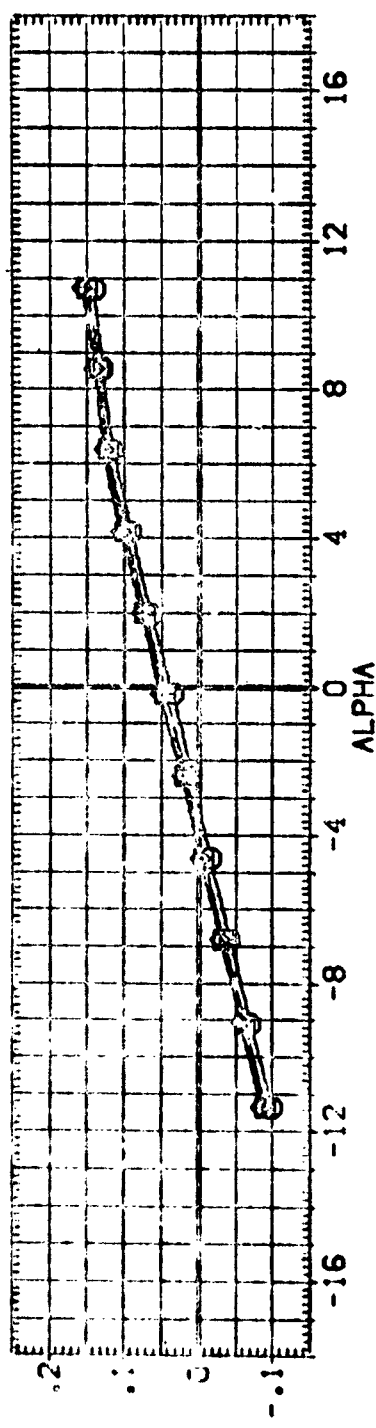
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-L0	ELV-L1	ELV-R1	ELV-R0	SREF	SO.FT.
(R-CH10)	LARC 8-TPT-593 (A43) CONF GURATION 02/14/57	.000	8.000	8.000	.000	2690.0000	INCHES
(R-CH11)	LARC 8-TPT-593 (A43) CONF GURATION 02/14/57	4.000	8.000	8.000	4.000	1290.3000	INCHES
(R-CH12)	LARC 8-TPT-593 (A43) CONF GURATION 02/14/57	8.000	8.000	8.000	8.000	1290.3000	INCHES
						976.0000	IN. XT
						400.0000	IN. YI
						400.0000	IN. ZI
						SCALE	.0100



CDB



CTW



CND

EFFECT OF ELEVONS ON WING LOADS WITH INBOARDS AT 8 DEGREES

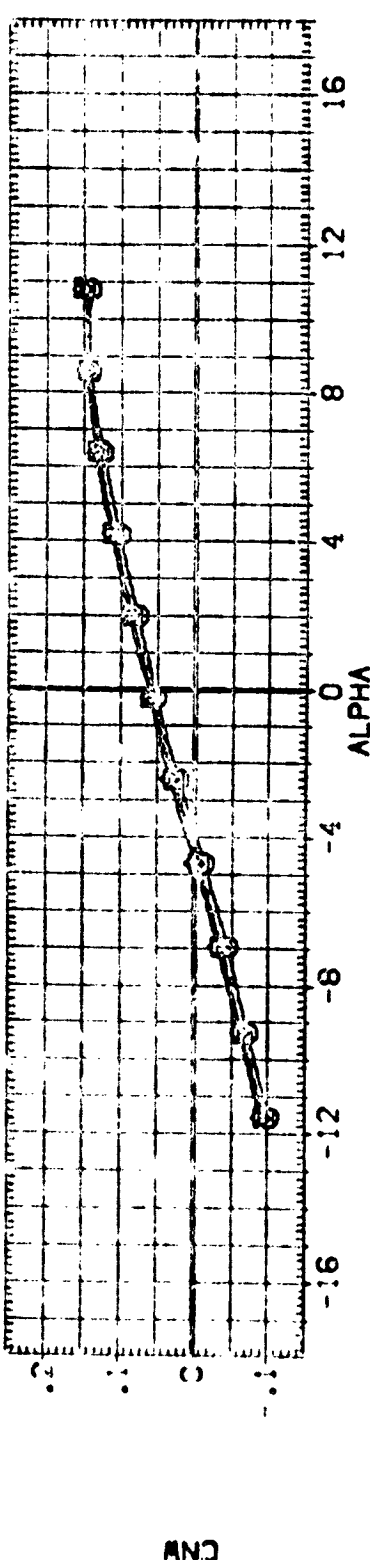
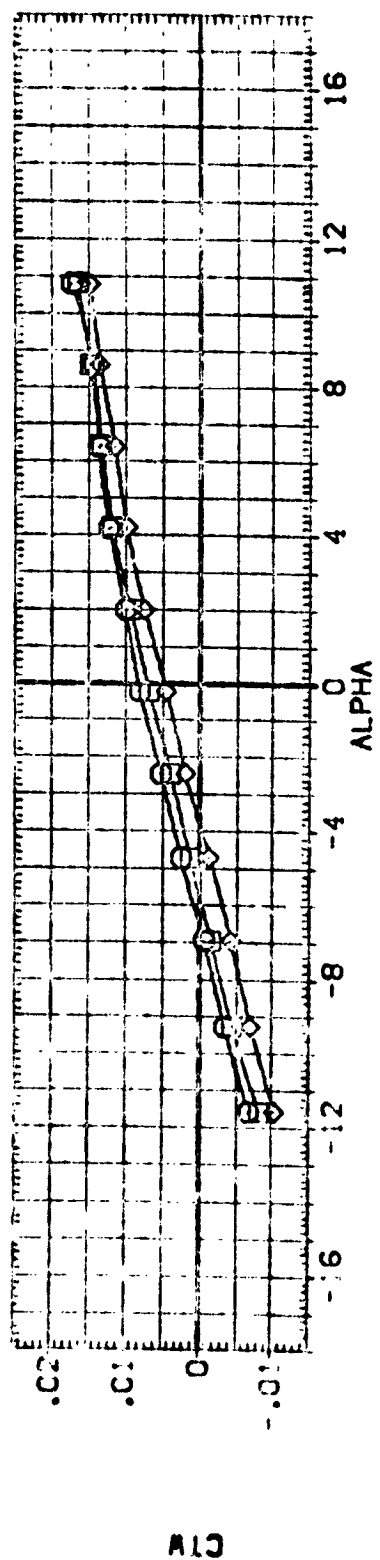
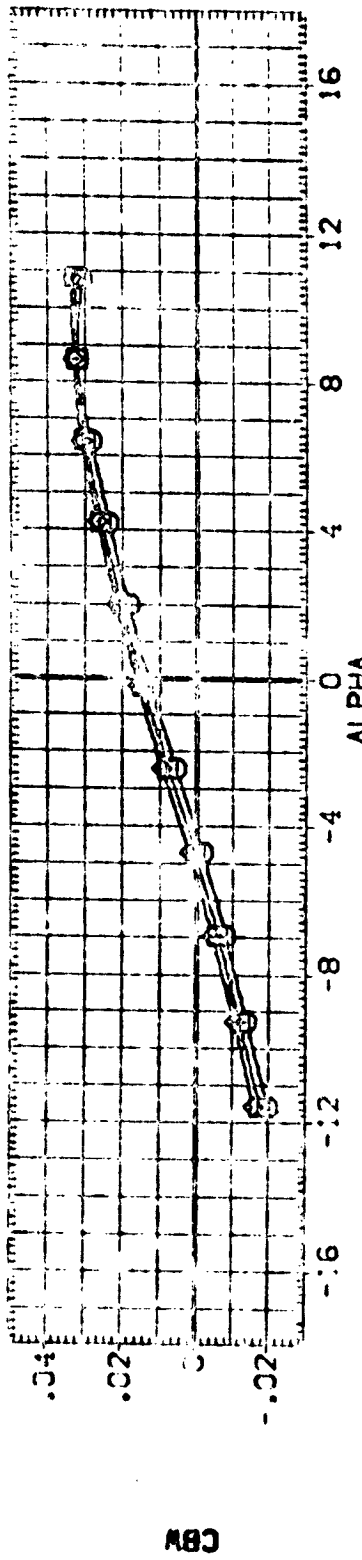
(B)MACH = .98

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 8-0-10 0 8-1PT-653 (143) 02/14/57
 8-0-10 0 8-1PT-653 (143) 02/14/57

CONFIGURATION DESCRIPTION
 8-1PT-653 (143) 02/14/57
 8-1PT-653 (143) 02/14/57
 8-1PT-653 (143) 02/14/57

ELV-10 ELV-11 ELV-12 ELV-13 ELV-14 ELV-15 ELV-16 ELV-17 ELV-18 ELV-19 ELV-20 ELV-21
 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
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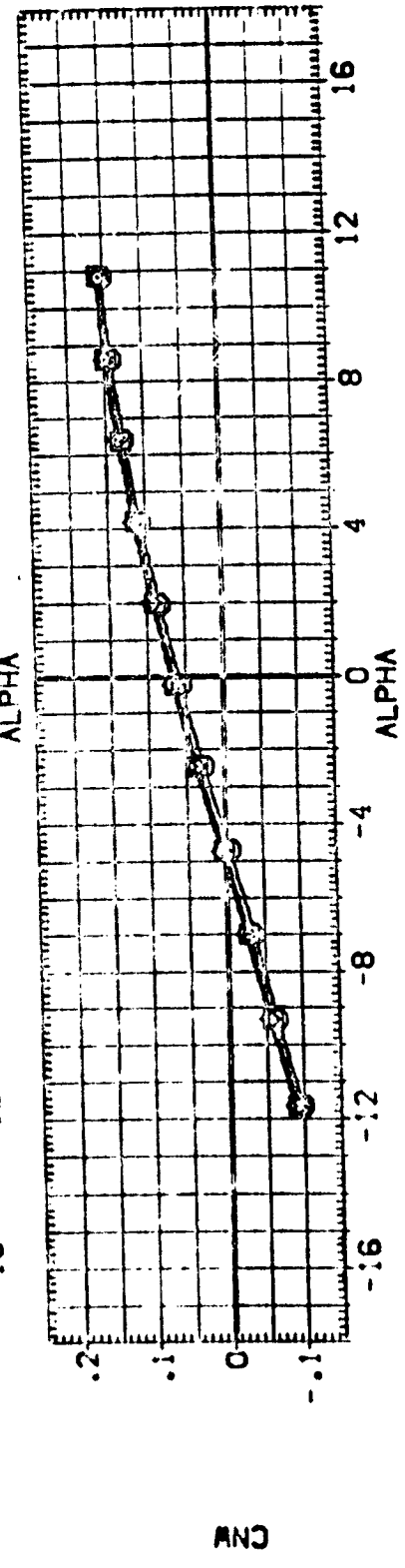
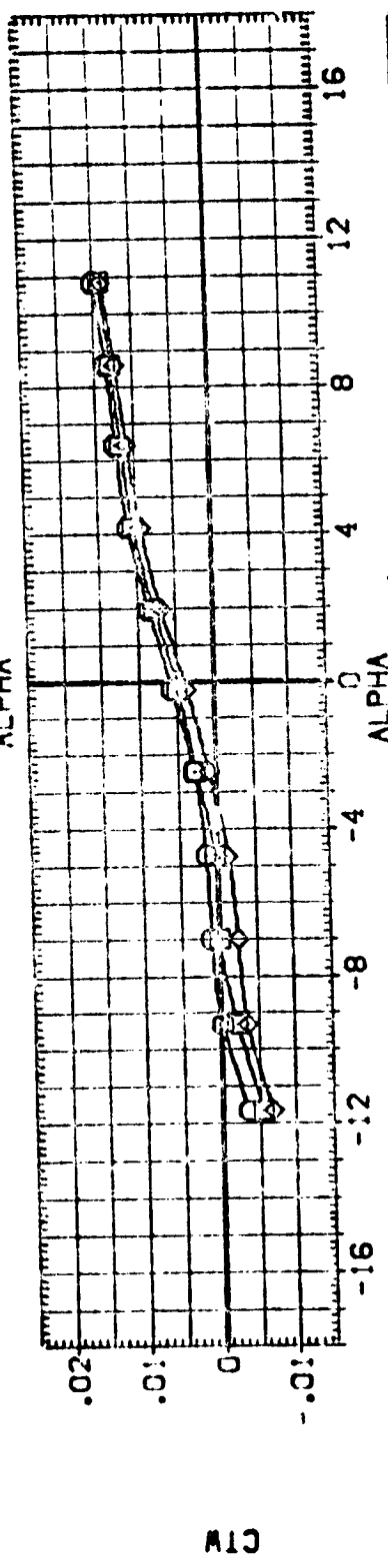
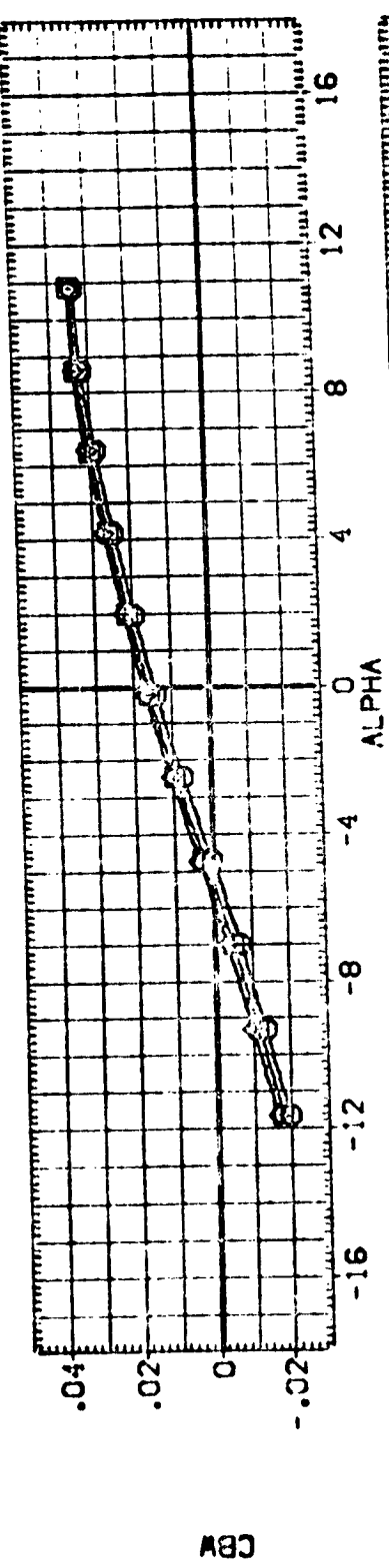
REFS
 SREF 1000
 LREF 1000
 BREF 1000
 XREF 1000
 YREF 1000
 ZREF 1000
 SCALE 1000



EFFECT OF ELEVONS ON WING LOADS WITH INBOARDS AT 8 DEGREES

(C)MACH = 1.13

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DATE	ELV-L0	ELV-L1	ELV-R1	ELV-R0	REFERENCE INFORMATION
01	LARC 8-TPT-893 (1A13)	02/14/57	.000	8.000	8.000	.000	2690.0000 SQ.FT.
02	LARC 8-TPT-893 (1A13)	02/14/57	4.000	8.000	8.000	4.000	1290.3000 INCHES
03	LARC 8-TPT-893 (1A13)	02/14/57	8.000	8.000	8.000	8.000	1290.3000 INCHES
04	LARC 8-TPT-893 (1A13)	02/14/57					976.0000 IN. XT
							400.0000 IN. YZ
							SCALE .0100



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OF POOR QUALITY

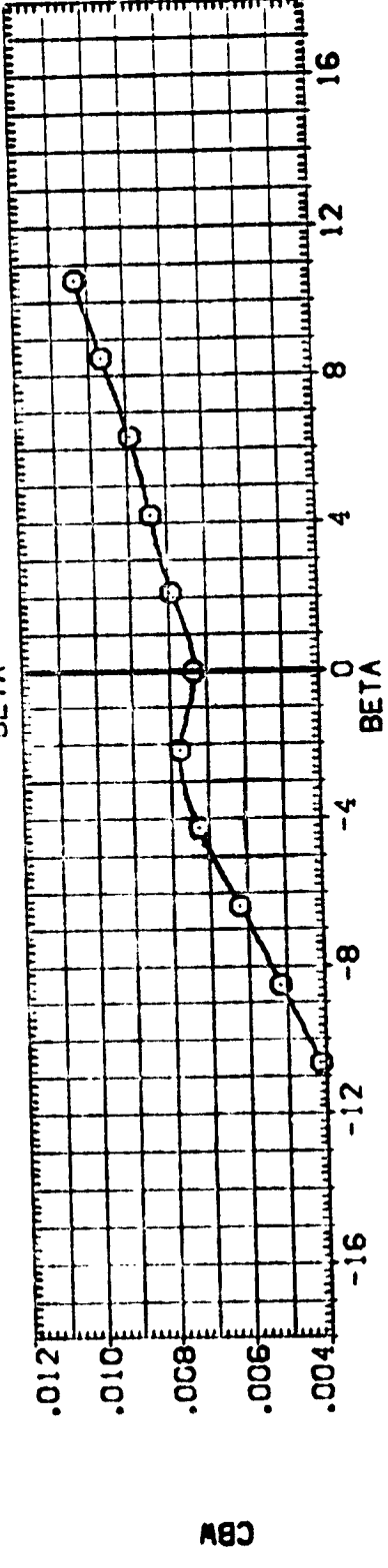
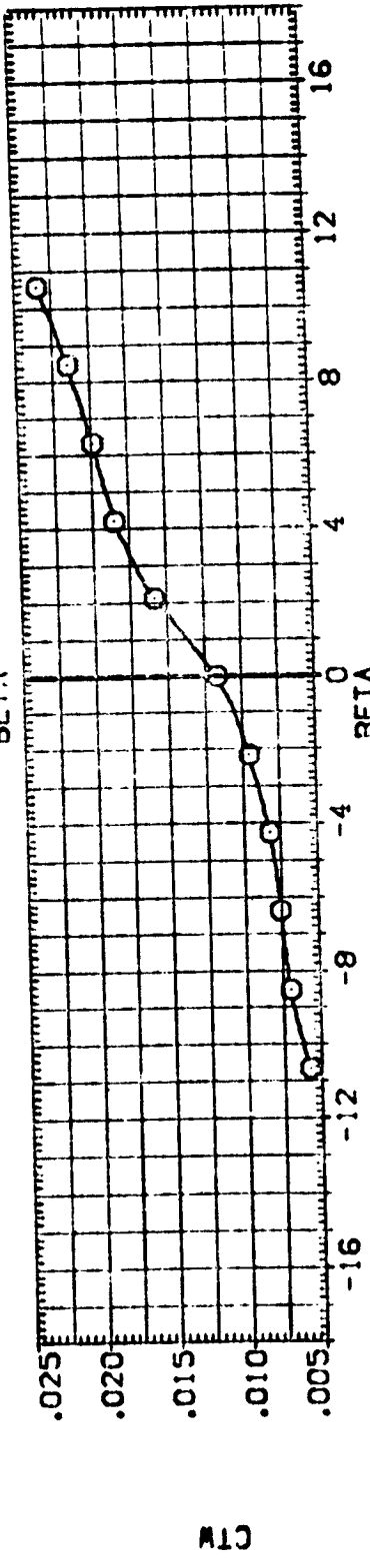
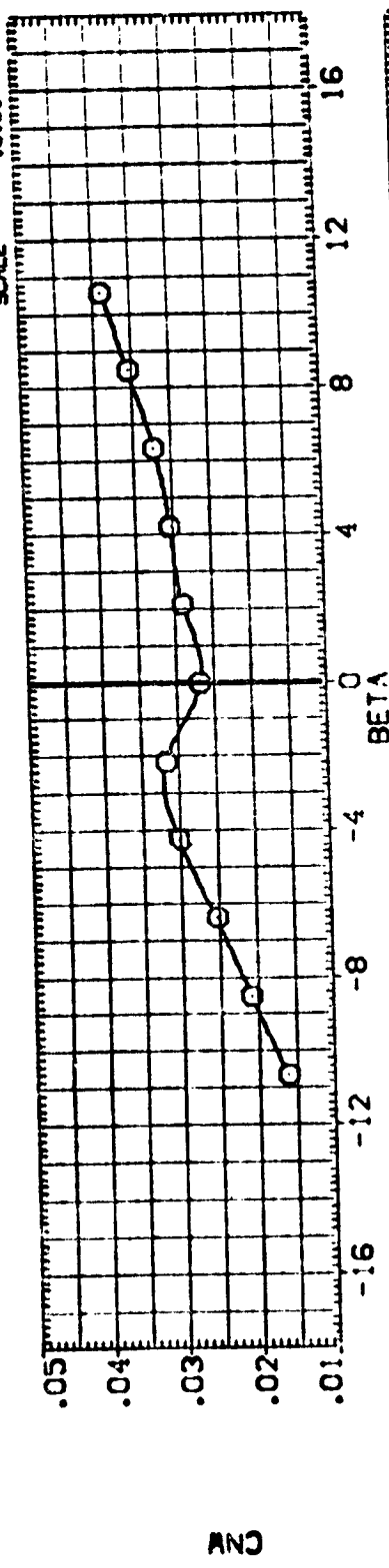
DATA SET SYMBOL: 8-C-073

CONFIGURATION DESCRIPTION: LARC 8-TPT-223 (1A13) CONFIGURATION 02/14/57

REFERENCE INFORMATION:

REF	ELV-L0	ELV-L1	ELV-R1	ELV-R0	SCALE
SREF	.000	.000	.000	.000	.0100
LREF	.000	.000	.000	.000	.0100
BREF	.000	.000	.000	.000	.0100
YREF	.000	.000	.000	.000	.0100
ZREF	.000	.000	.000	.000	.0100

50 FT. INCHES IN. XT IN. YT IN. ZT



EFFECT OF SIDESLIP ANGLE ON WING LOADS, ALPHA = 0.

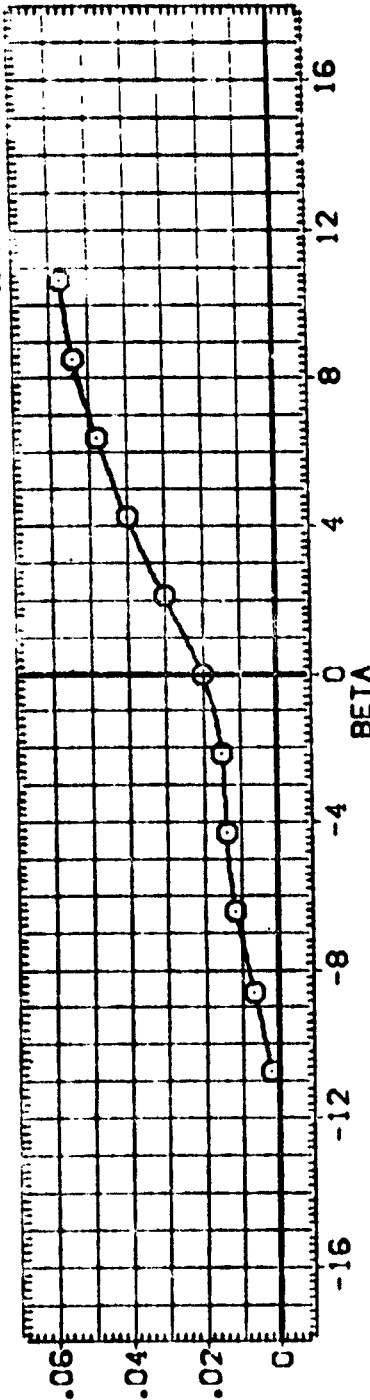
13JMAC- = .90

DATA SET SYMBOL: LARC 8-TPT-693 (1A43) CONFIGURATION 02/14/57

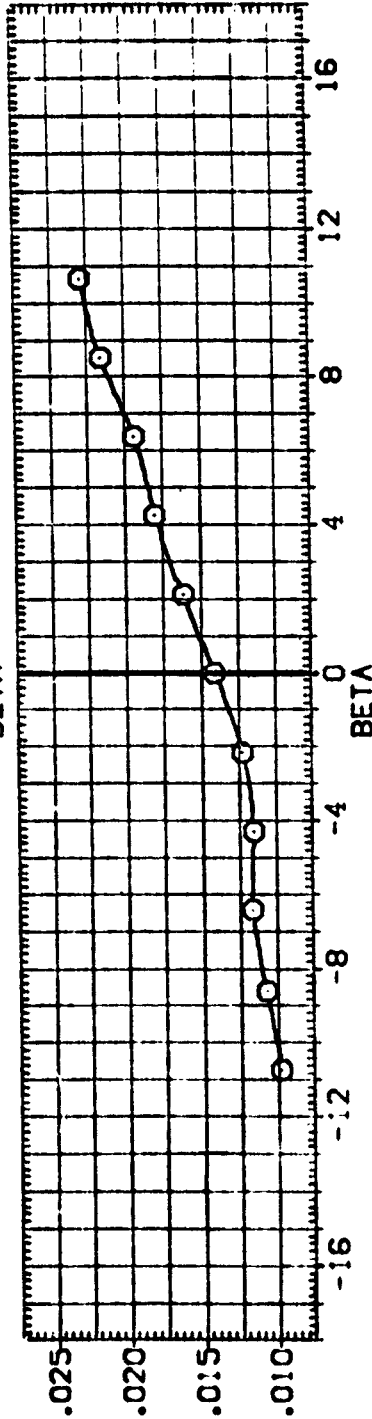
ELV-L0 ELV-L1 ELV-L2 ELV-L3

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BREF. 0.000
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YMRP. 400.0000
ZMRP. 0.0000
SCALE. 0.0100

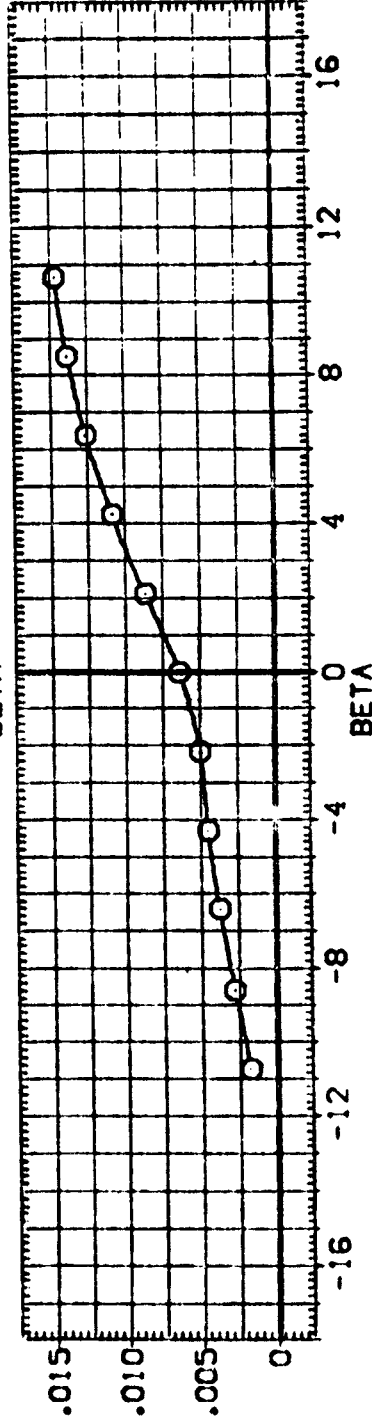
REF. 0.000
LREF. 0.000
BREF. 0.000
XMRP. 976.0000
YMRP. 400.0000
ZMRP. 0.0000
SCALE. 0.0100



CNW



CTW



CBW

EFFECT OF SIDESLIP ANGLE ON WING LOADS, ALPHA= 0.

(C)MACH = .98

DATA SET SYMBOL: 0 LARC 8-PT-693 (1A43) CONFIGURATION 02/14/57

CONFIGURATION DESCRIPTION

ELV-L0 ELV-L1 ELV-R1 ELV-R0

.000 .000 .000 .000

CONF: 02/14/57

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.

LREF 1290.0000 INCHES

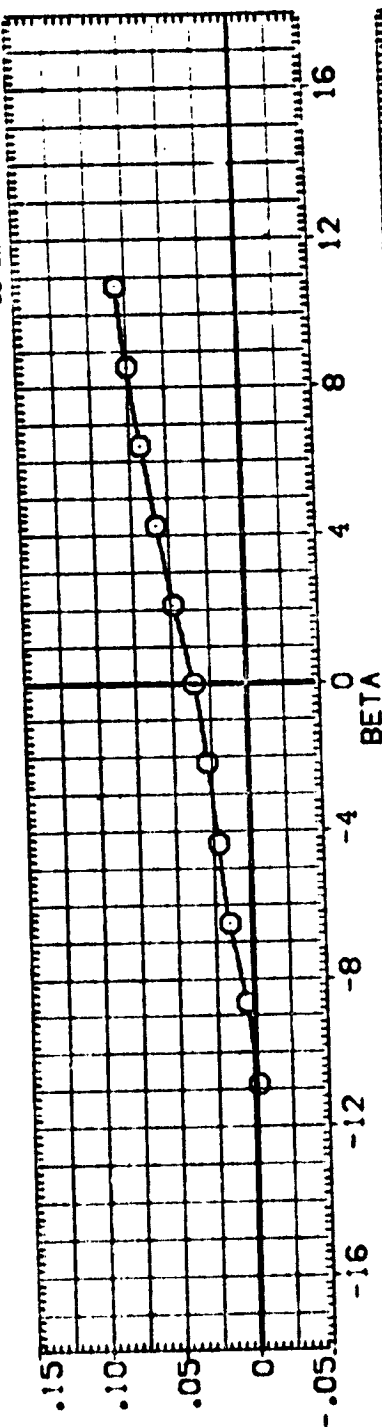
BREF 1290.0000 INCHES

XPRP 976.0000 IN. XT

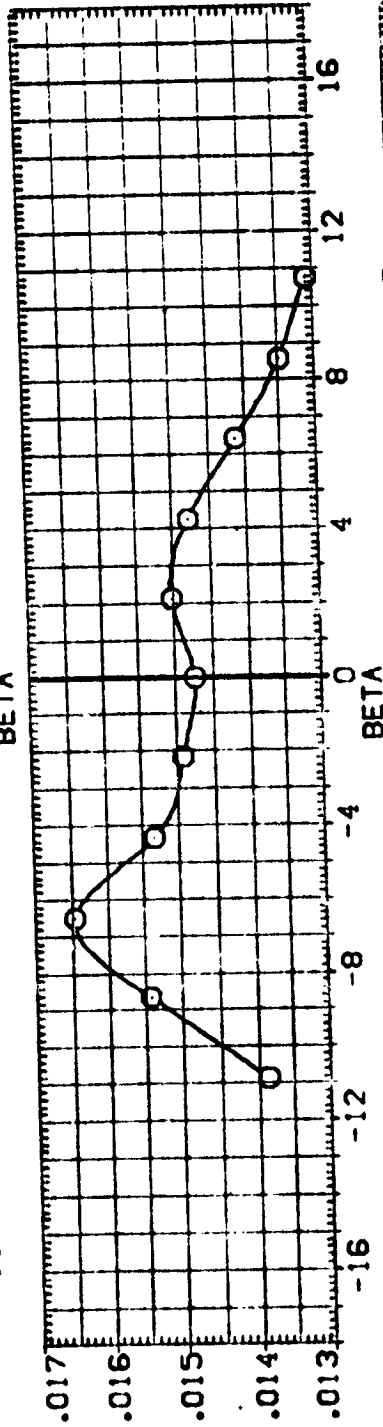
YPRP 400.0000 IN. YT

ZPRP 400.0000 IN. ZT

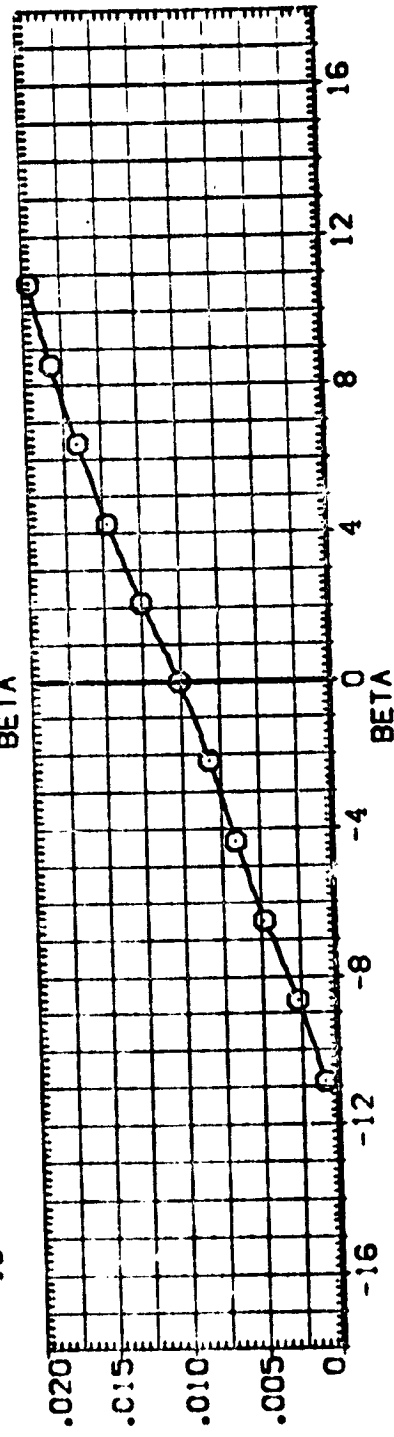
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CNL



CLM



CBY

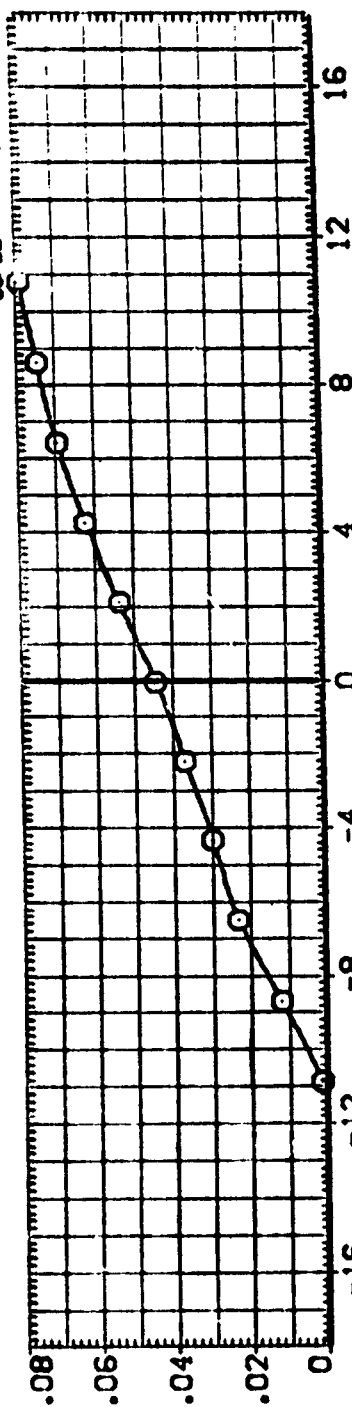
EFFECT OF SIDESLIP ANGLE ON WING LOADS, ALPHA=0.

COMACH = 1.13

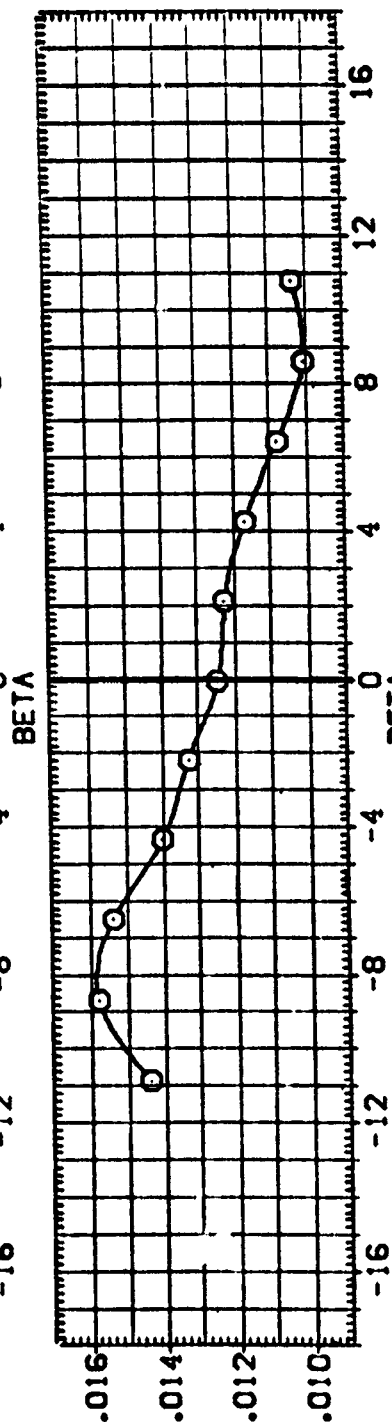
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(R-007) O LARC 8-TPT-533 (1A13) CONF:GURATION 02/14/57

REFERENCE INFORMATION
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BREF 1290.3000 INCHES
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YREF 400.0000 IN. YT
ZREF .0100 IN. ZT
SCALE

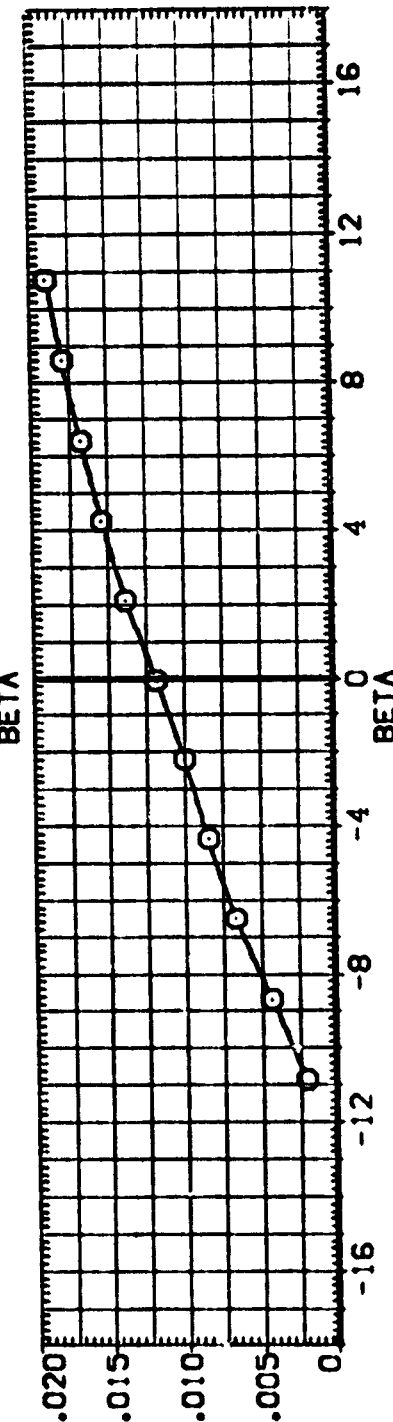
ELV-L0 ELV-L1 ELV-R1 ELV-R0
.000 .000 .000 .000



CNL



CTA



CBV

EFFECT OF SIDESLIP ANGLE ON WING LOADS, ALPHA= 0.

(E)MACH = 1.20

LARC 8-TPT-693 (1A43) CONFIGURATION 02/T4/S7 (RHCM06)

SYMBOL
 0 1 2 3 4 5 6 7 8

ALPHA
 -11.165
 -8.938
 -6.725
 -4.515
 -2.360

MACH
 ELV-L0
 RUDDER
 90FLAP

PARAMETRIC VALUES
 .900 BETA
 .000 ELV-R0
 .000 SPDRK
 .000

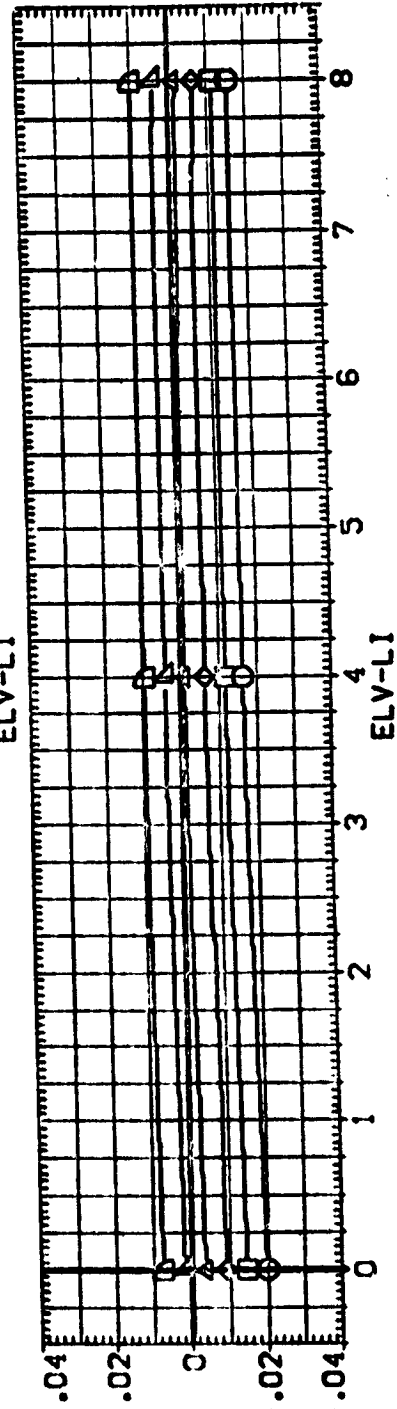
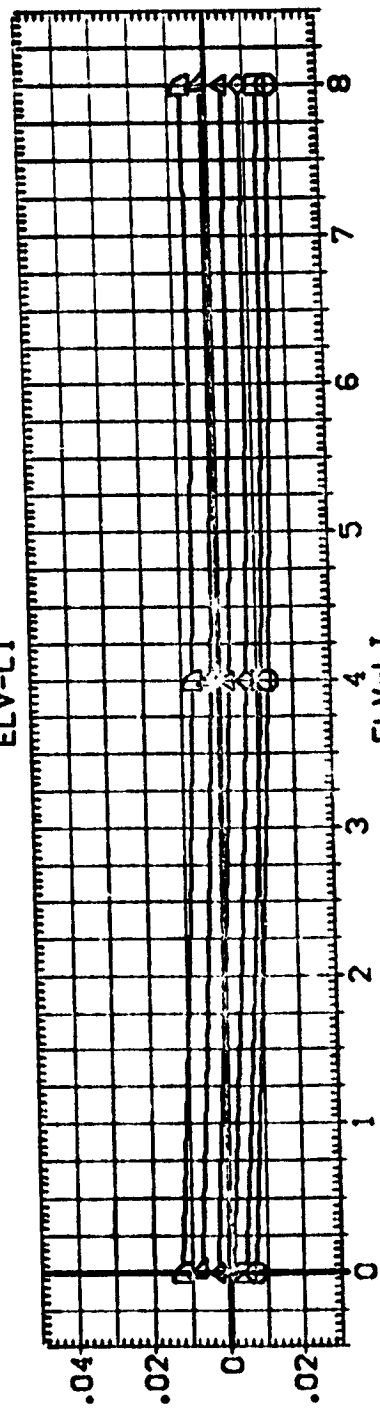
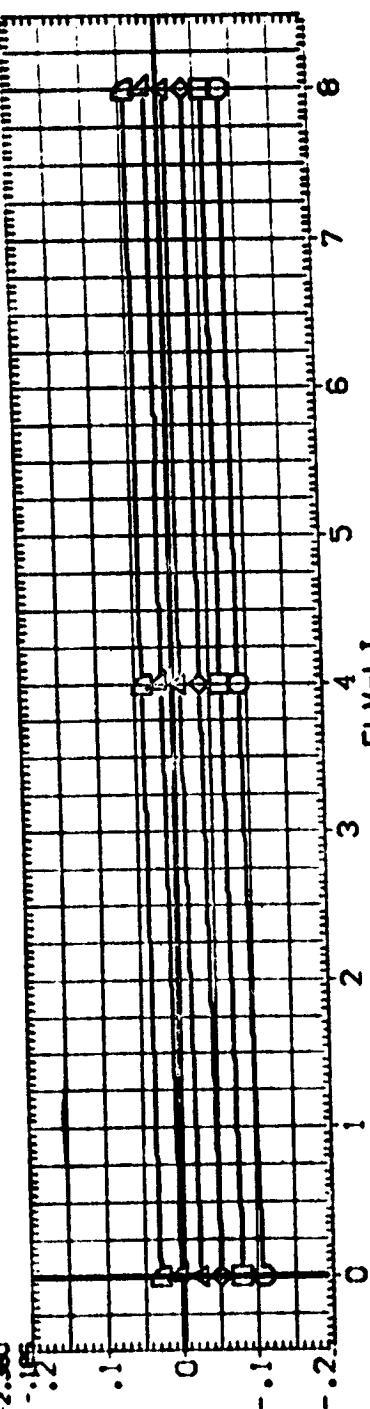
.000 DATASET
 .000 R-CH06
 .000 R-CH10

DATA SOURCE
 ELV-L1
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 8.000

DATASET
 ELV-L1
 R-CH15

REFERENCE INFORMATION
 SREF
 LREF
 BREF
 XMRP
 YMRP
 ZMRP
 SCALE

50. FT.
 1250.000
 1250.300
 1250.300
 976.000
 400.000
 .0100



WING LOAD FOR CONSTANT OUTBOARD ELEVON SETTING

SYN-001
011044

ALPHA
1.591
4.110
6.313
8.485
10.643

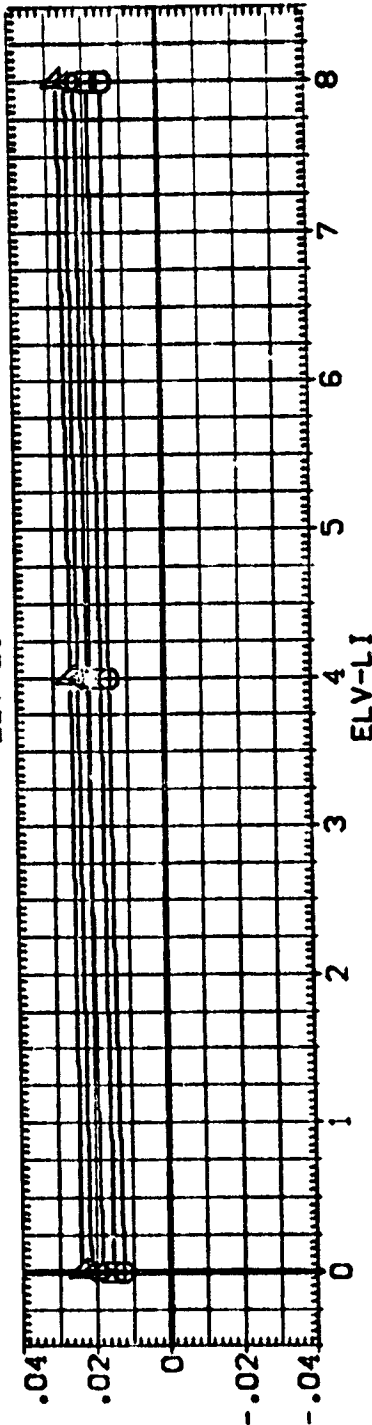
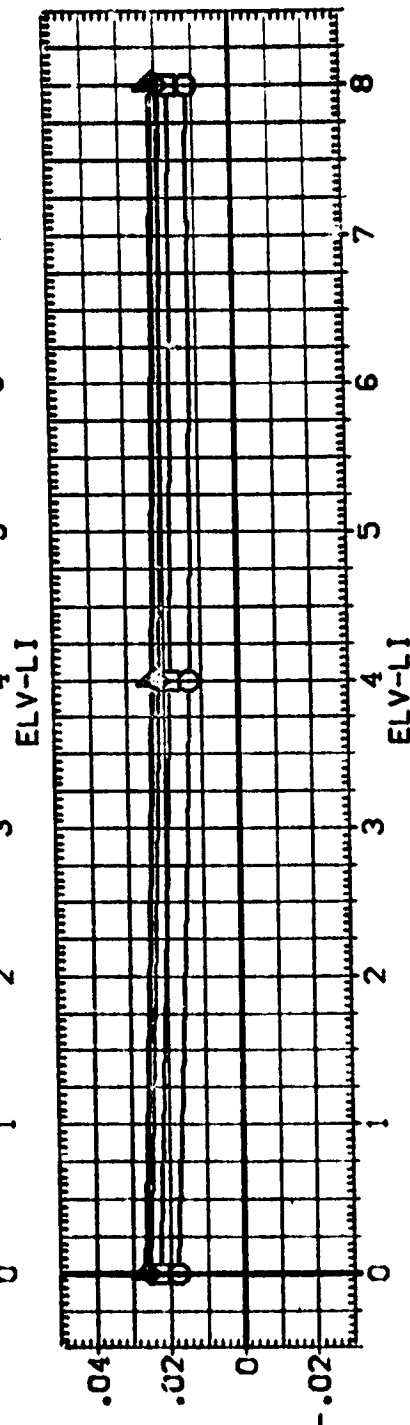
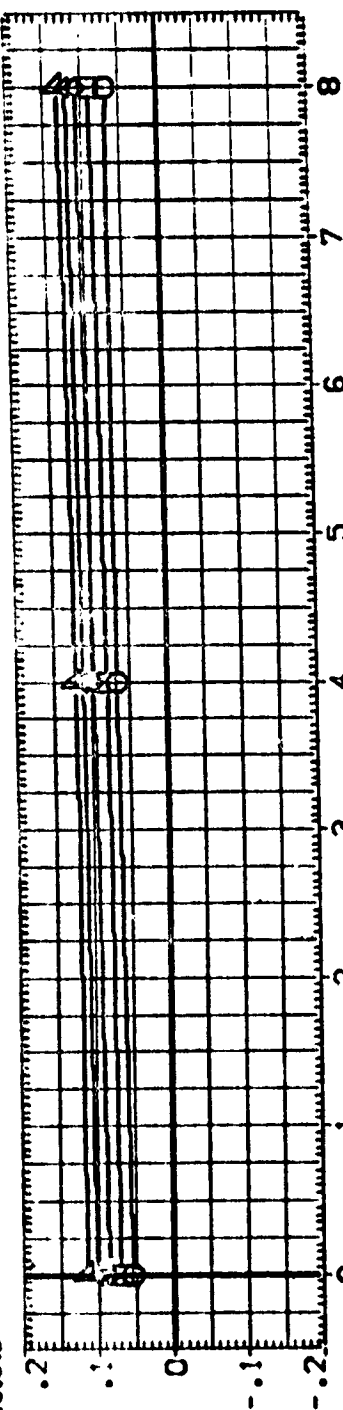
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RUDER .000
BOTLAP .000

BETA
ELV-R0 .000
SPCRK .000

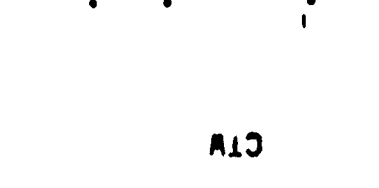
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ELV-LI
R-CH10

DATA SET
ELV-LI
R-CH15

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LREF 1.0000
BREF 1.0000
XREF 1.0000
YREF 1.0000
ZREF 1.0000
SCALE .0100



WING LOAD FOR CONSTANT OUTBOARD ELEVON SETTING



PAGE 119

ARC 8-TPT-593 (IA43) CONFIGURATION 02/14/57 (RHCM06)

SYMBOL
VPO110

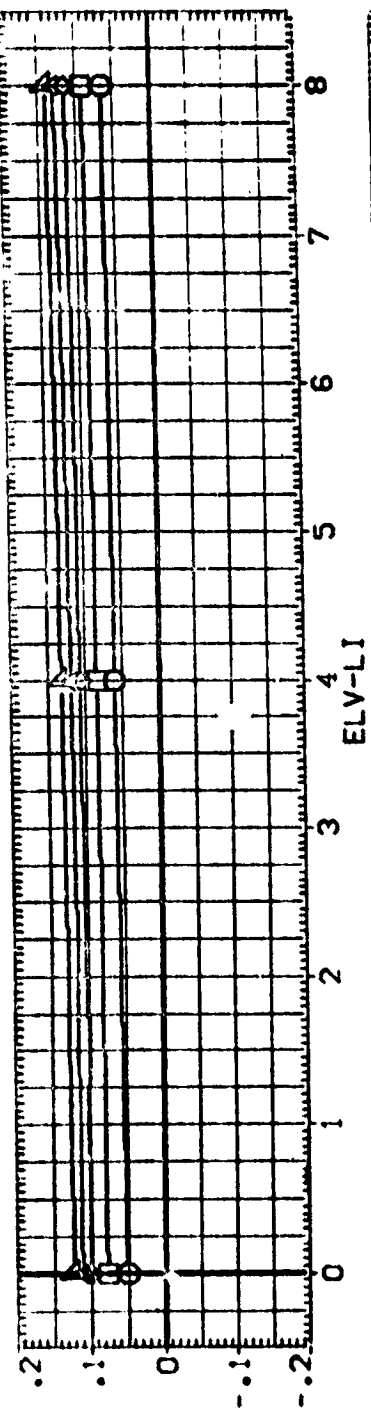
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ELV-L0 .000 ELV-R0 .000
RUDER .000 SPOBRK .000
BOFLAP .000

DATA SOURCE
ELV-LI .000
R-CH06 6.700
R-CH10

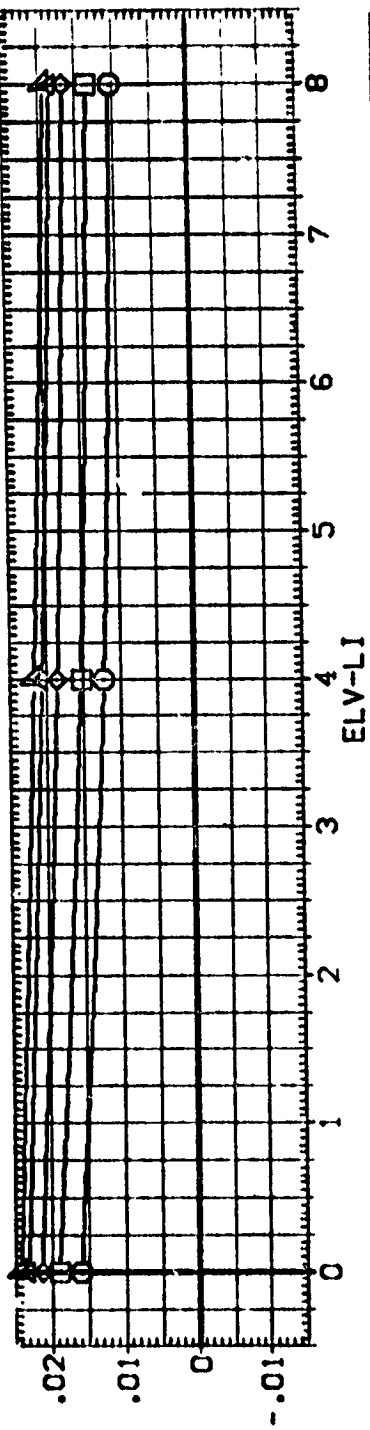
DATASET
ELV-LI 4.000
R-CH15

REFERENCE INFORMATION
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YREF 0.000
ZREF 0.000
SCALE .0100

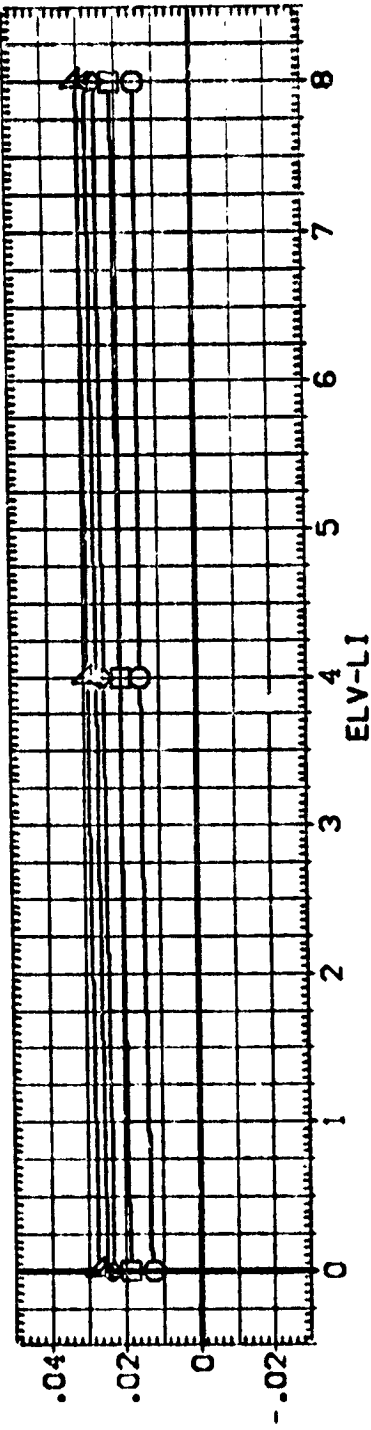
CNW



CTV



CBW



WING LOAD FOR CONSTANT OUTBOARD ELEVON SETTING



LARC 8-TPT-693 (1A43) CONFIGURATION 02/14/57 (RHC006)

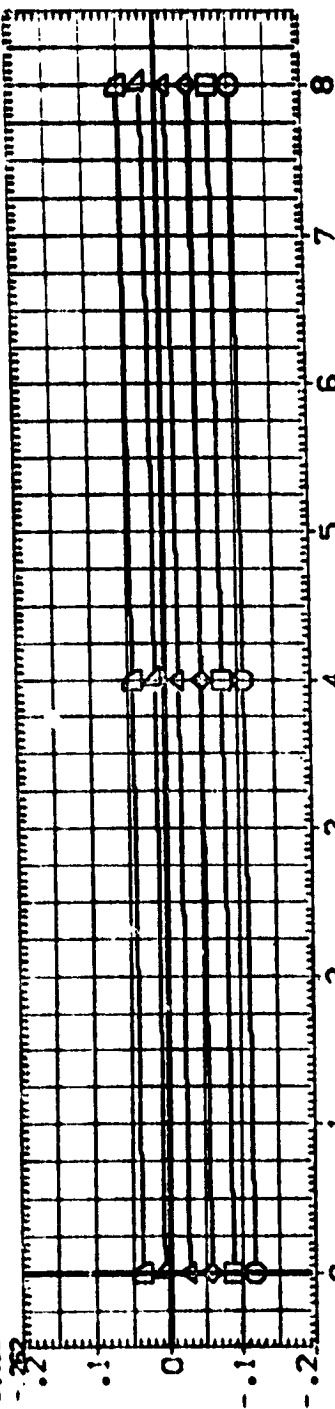
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 INCHES 1290.3000
 INCHES 1290.3000
 IN. XT 576.0000
 IN. YI 400.0000
 IN. ZI 400.0000
 SCALE .0100

DATA SOURCE
 ELV-LI 4.000
 R-CH15 8.000

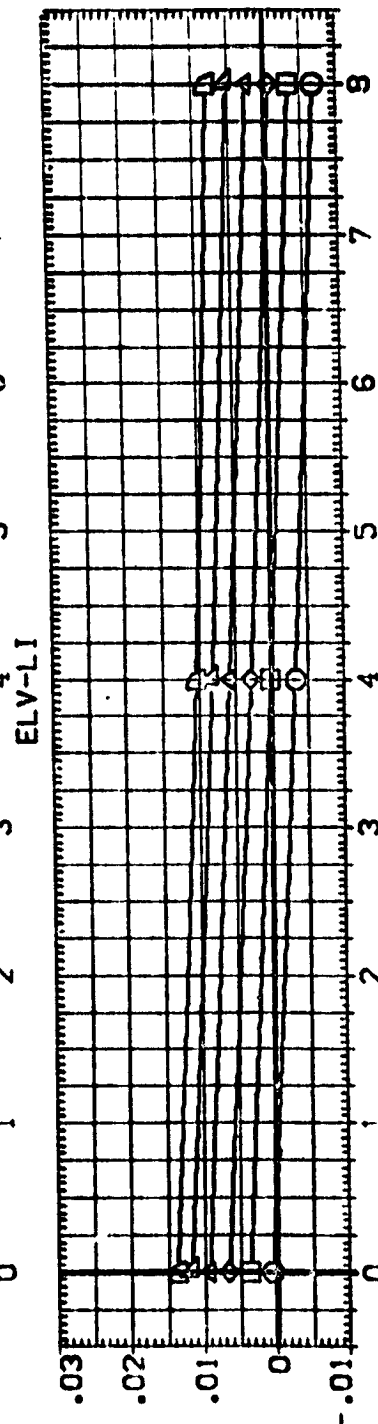
PARAMETRIC VALUES
 BETA 1.130
 ELV-RG .000
 SPOBRK .000
 ELV-LO .000
 R-CH06 .000
 R-CH10 .000

ALPHA
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 -9.265
 -7.014
 -4.732
 -2.482

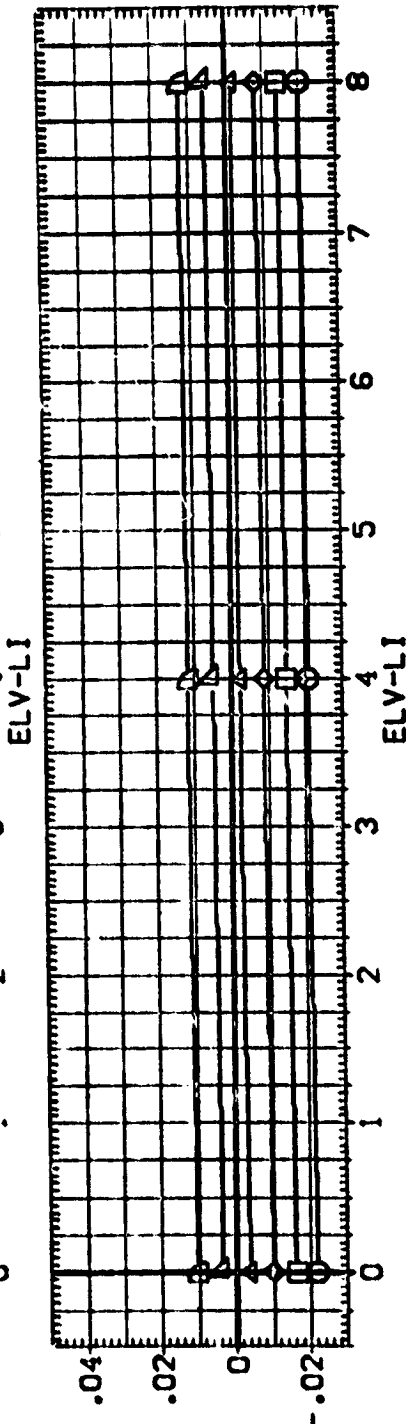
ST-801
 00000000



CWB



CTW



CBW

WING LOAD FOR CONSTANT OUTBOARD ELEVON SETTING

5-82-10447

ALPHA
-11.663
-9.335
-7.034
-4.745
-2.504
-.249

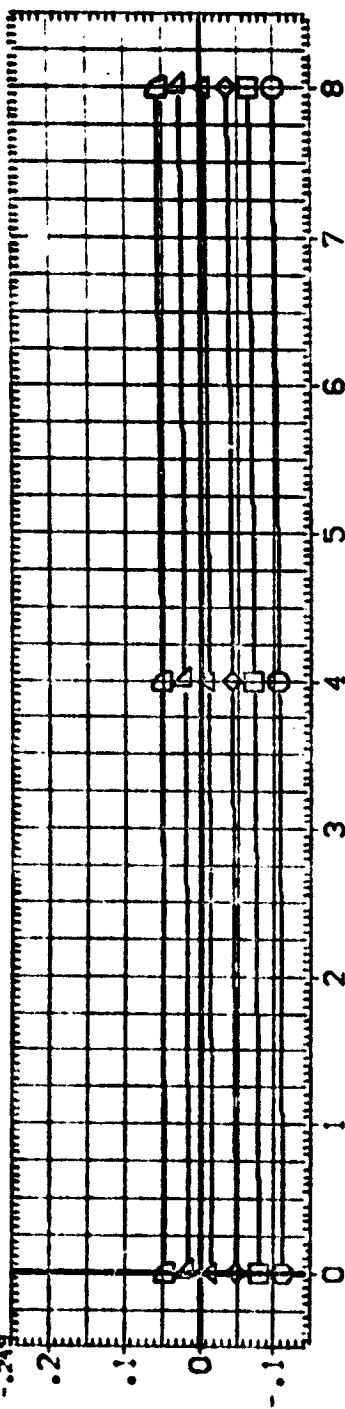
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BETA	1.200
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SPOBRX	.000
	.000

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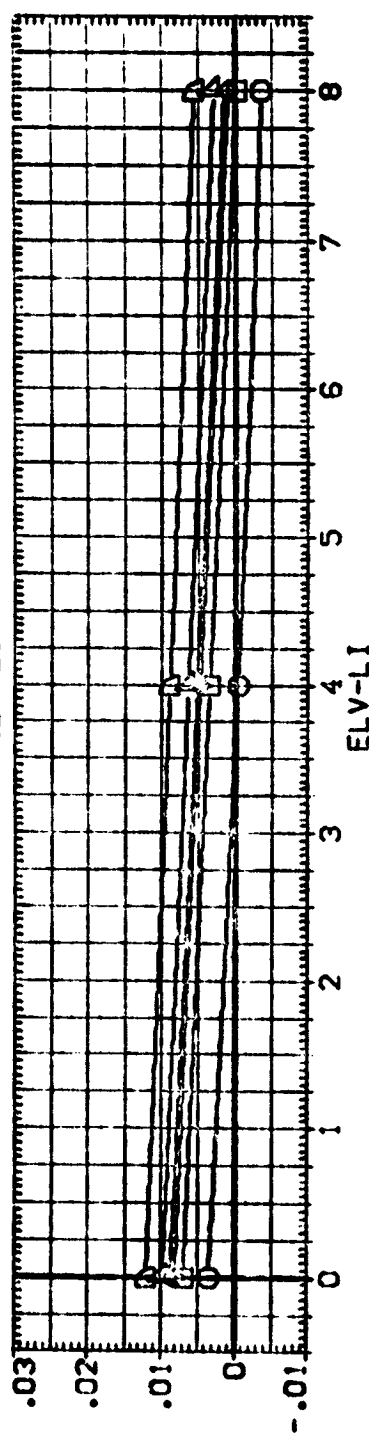
DATA SOURCE

**DATASET ELV-LI
RACHIS 4.000**

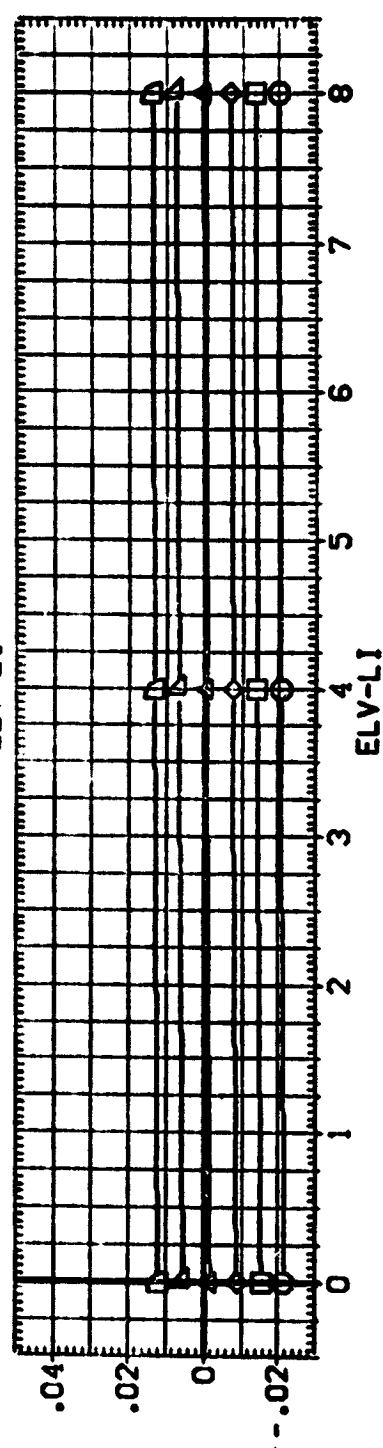
REFERENCE INFORMATION	50 FT. INC-ES INC-ES IN. XI IN. VI IN. ZI
2690.0000	
1290.3000	
1290.3000	
576.0000	
.0000	
400.0000	
.0100	



AND



ALC



ABC

SWING LOAD FOR CONSTANT OUTBOARD ELEVEN SETTING

000000

PAGE 125

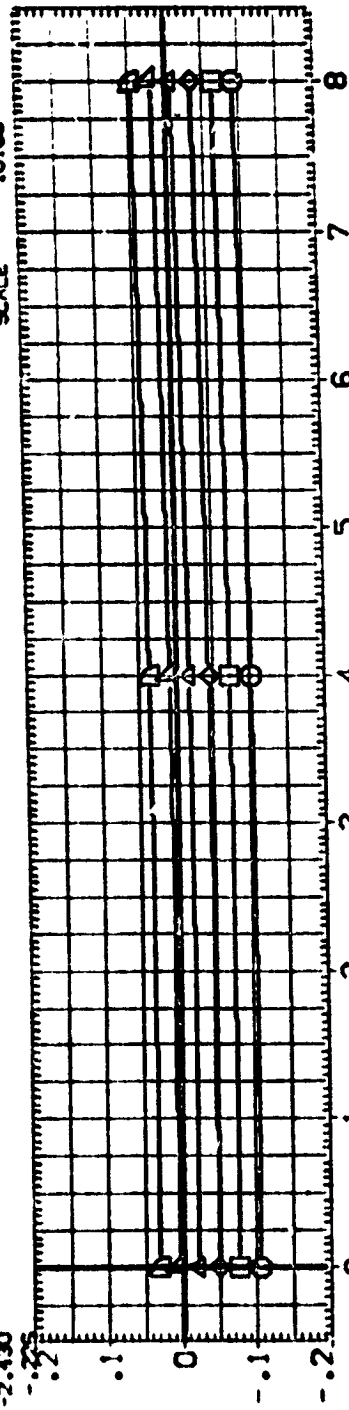
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OF POOR QUALITY**

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57 (RHCM15)

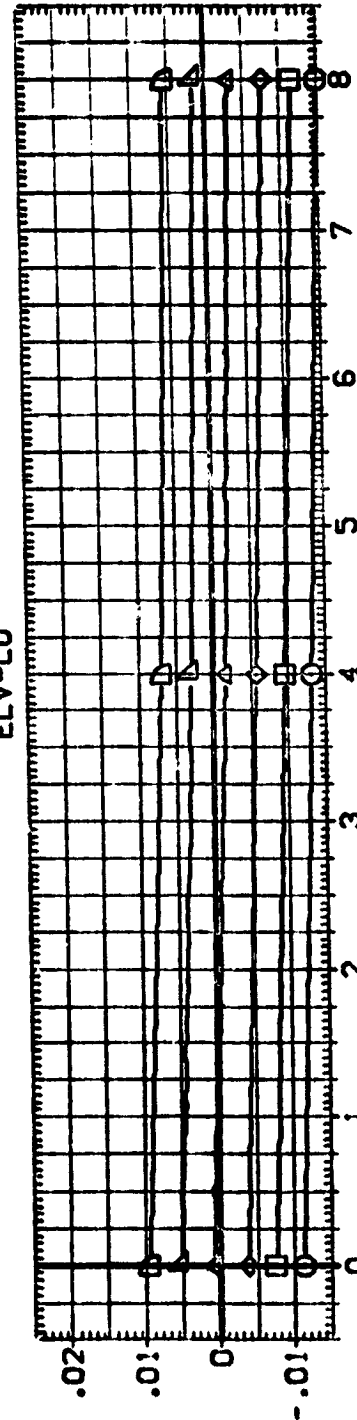
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 IN. XT 976.0000
 IN. YI 400.0000
 IN. ZI 400.0000
 SCALE .0100

PARAMETRIC VALUES
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 ELV-L1 4.000 R-CH15 .000
 RUDDER .000 R-CH13 .000
 EDFLAP .000

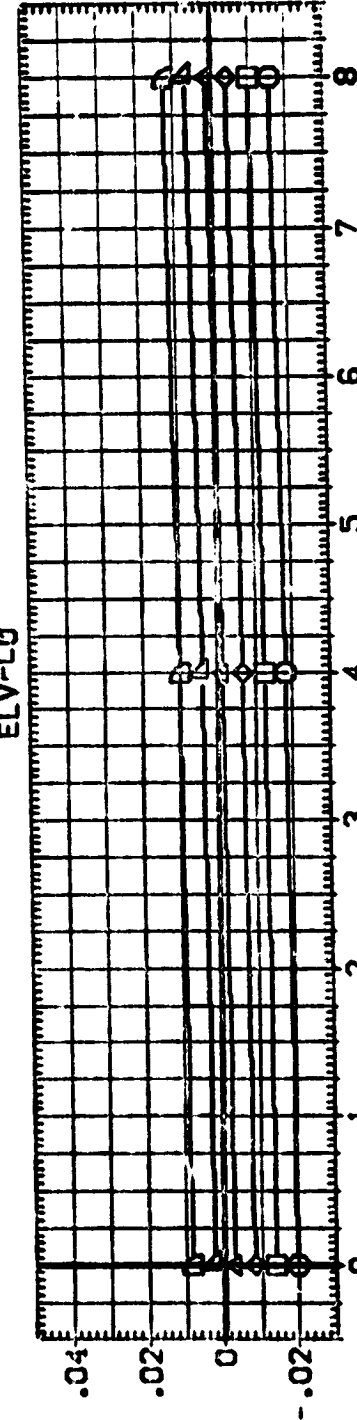
ALPHA
 -11.300
 -9.108
 -6.865
 -4.630
 -2.430



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WING LOAD FOR CONSTANT INBOARD ELEVON SETTING

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LARC 8-TPT-693 (1A43) CONFIGURATION 02/T4/S7 (RHCM15)

SYMBOL
 ▽
 ◇
 □
 ○
 ○

ALPHA
 1.962
 4.140
 6.308
 8.528
 10.709

MACH
 ELV-L1
 RUDDER
 BDFLAP

PARAMETRIC VALUES
 BETA
 ELV-R1
 SPODBK
 .980
 4.000
 .000
 .000

.000 DATASET
 4.000 R-CH15
 .000 R-CH13

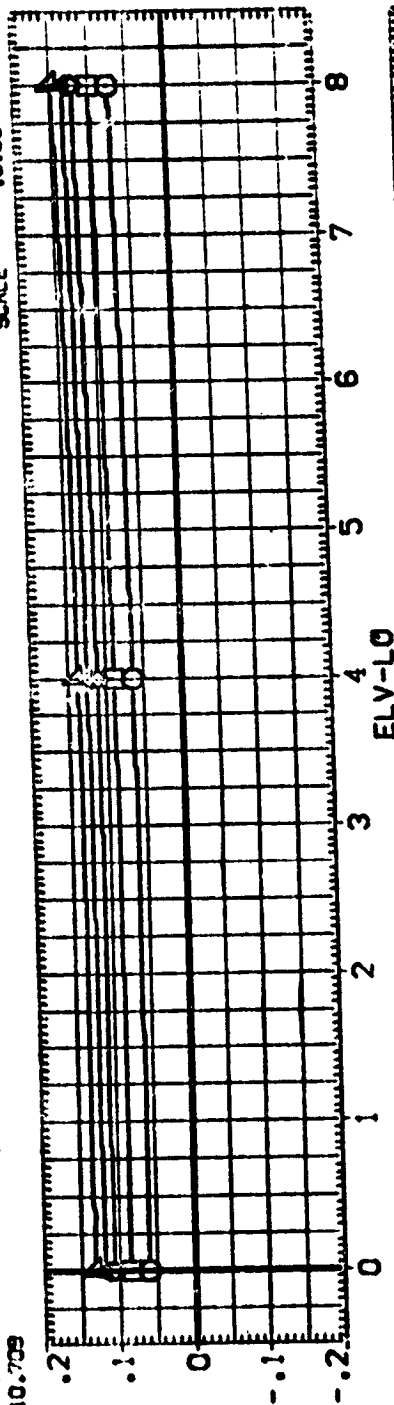
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 8.000

DATASET
 R-CH14
 4.000

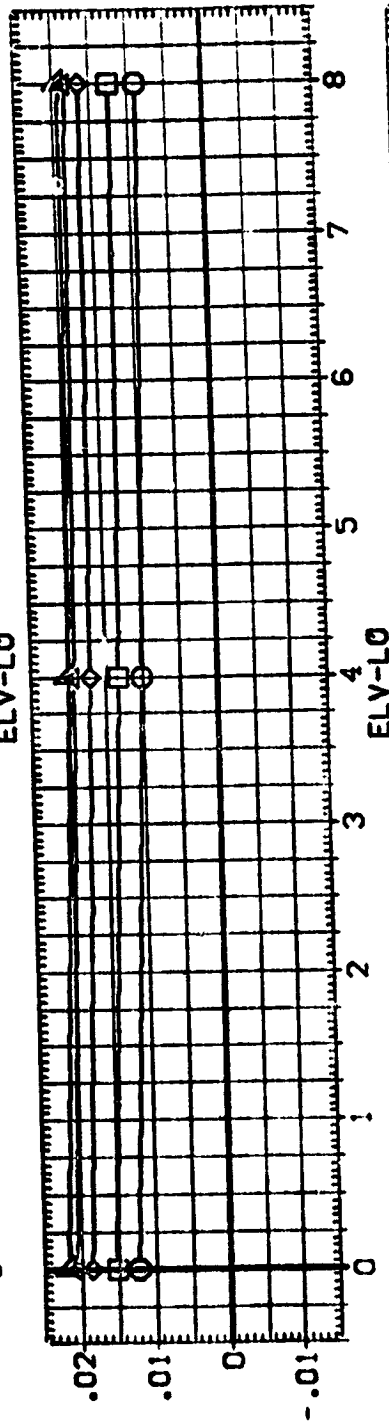
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 LREF
 BREF
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 YREF
 ZREF
 SCALE
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 .0100

REF. INFO
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 10.00
 10.00
 10.00
 10.00
 10.00

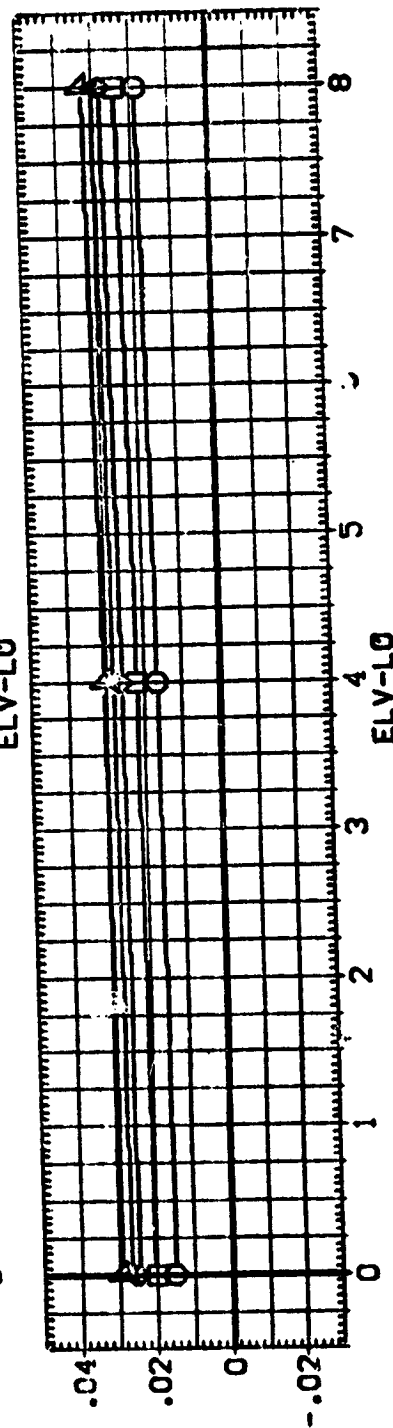
CNW



CTW



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WING LOAD FOR CONSTANT INBOARD ELEVON SETTING

LARC 8-TPT-693 (1A43) CONFIGURATION 02/T4/S7 (RHCM15)

REFERENCE INFORMATION
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 INC-ES 1257.3000
 INC-ES 1250.3000
 IN. XT 976.0000
 IN. YT 400.0000
 IN. ZT 400.0000
 SCALE .0100

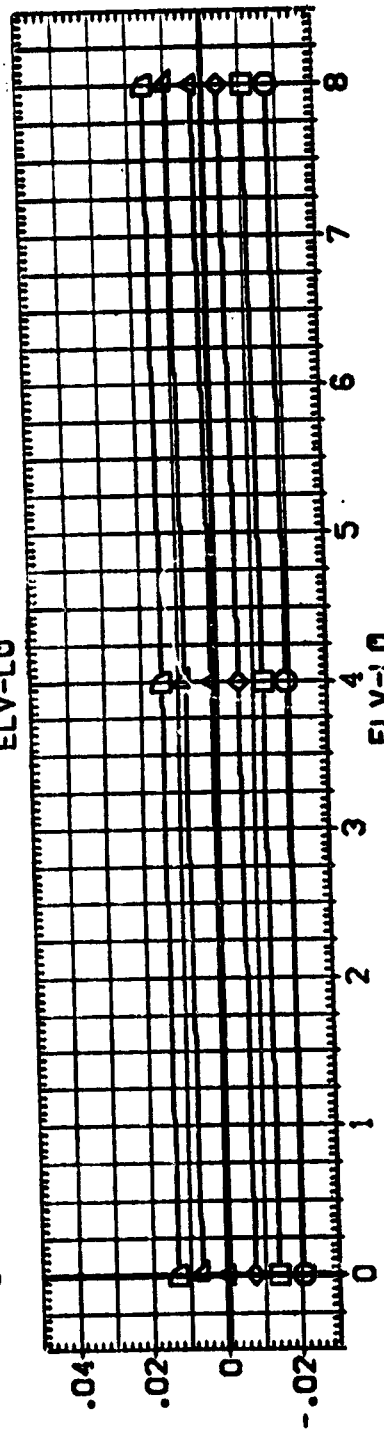
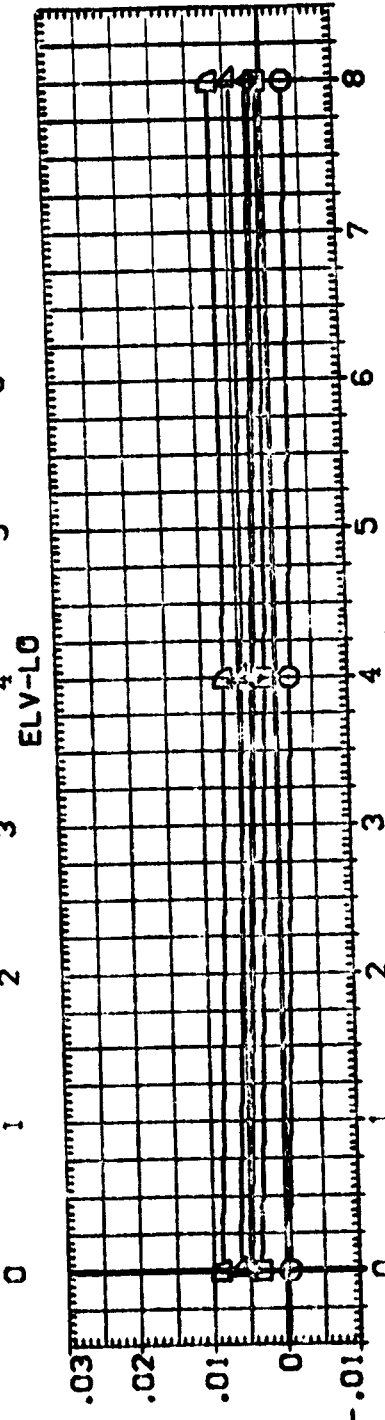
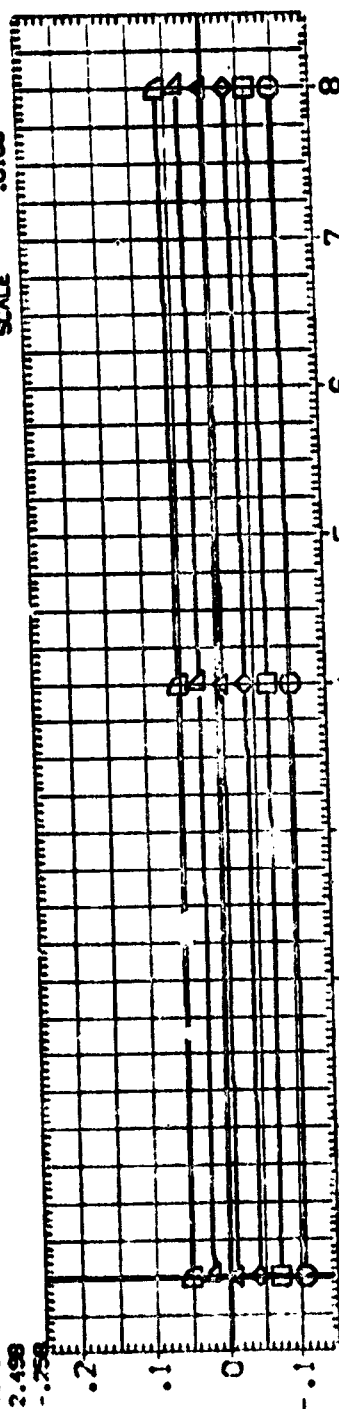
DATA SOURCE
 ELV-LO 4.000
 DATASET RCH14
 REF 1450
 ZREF 1450
 SCALE .0100

PARAMETRIC VALUES
 BETA 1.201
 ELV-RI 4.000
 SPDRK .000
 .000

MACH 1.201
 ELV-LI 4.000
 RUDDER .000
 BDFLAP .000

ALP-A -11.685
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 -7.043
 -4.757
 -2.498
 -0.758

SYMBOL 0110440

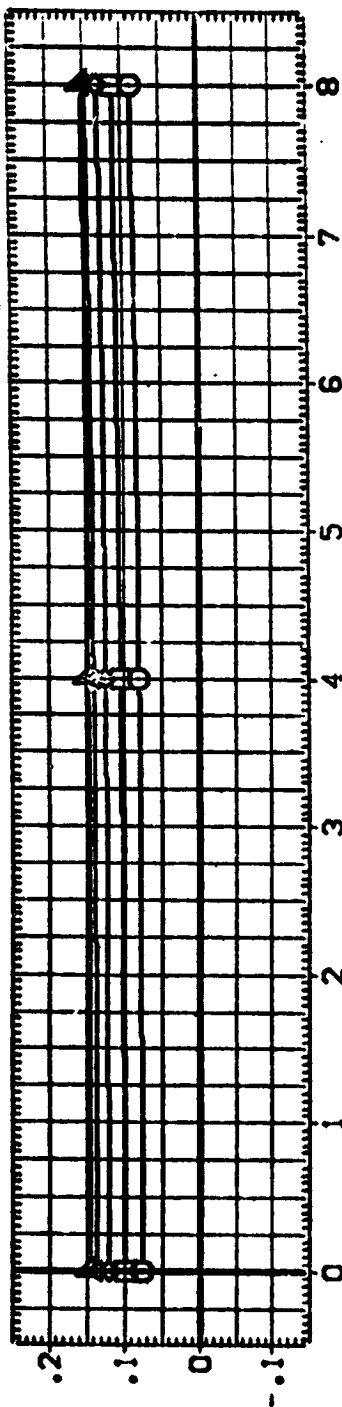


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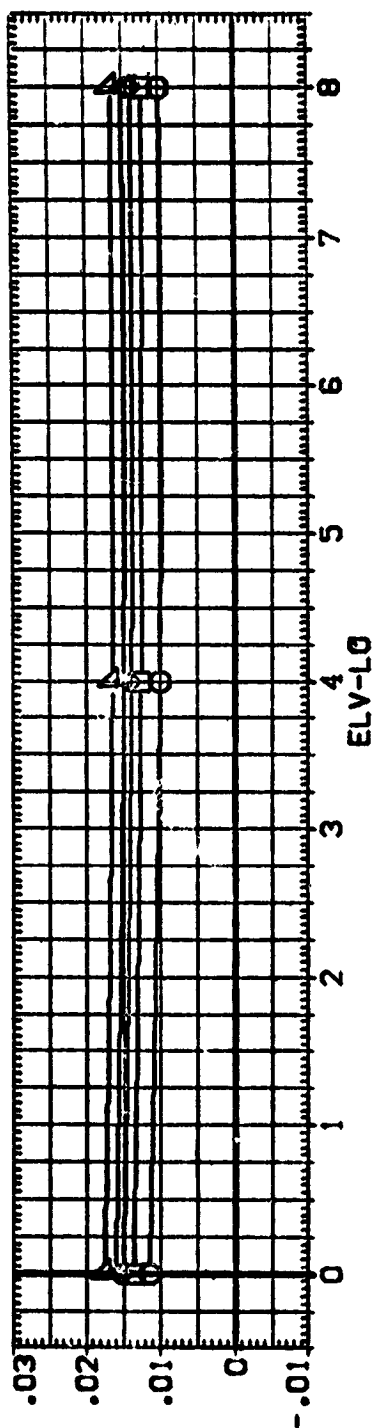
WING LOAD FOR CONSTANT INBOARD ELEVON SETTING

LARC 8-TPT-693 (IA43) CONFIGURATION 02/T4/S7 (RHCMI5)

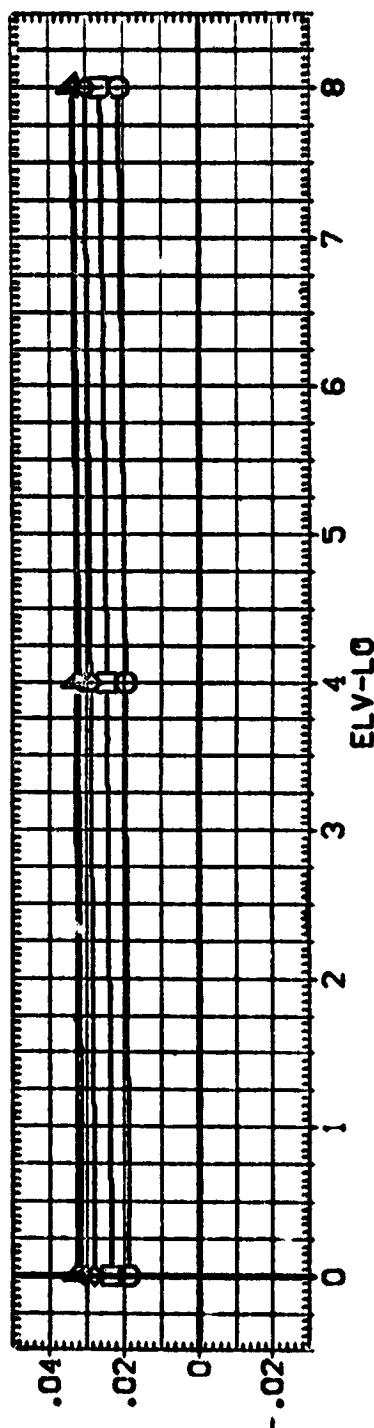
SYMBOL	ALPHA	MACH	PARAMETRIC VALUES	DATA SOURCE	REFERENCE INFORMATION
□	1.564		BETA	ELV-L0	2680.0000
◇	4.156	ELV-L1	ELV-R1	ELV-L0	1250.3000
◊	6.387	RUDDER	SPDRK	R-CH14	1250.3000
△	8.562	BDFLAP		R-CH15	976.0000
▽	10.807			R-CH13	400.0000
					SCALE .0100



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WING LOAD FOR CONSTANT INBOARD ELEVON SETTING



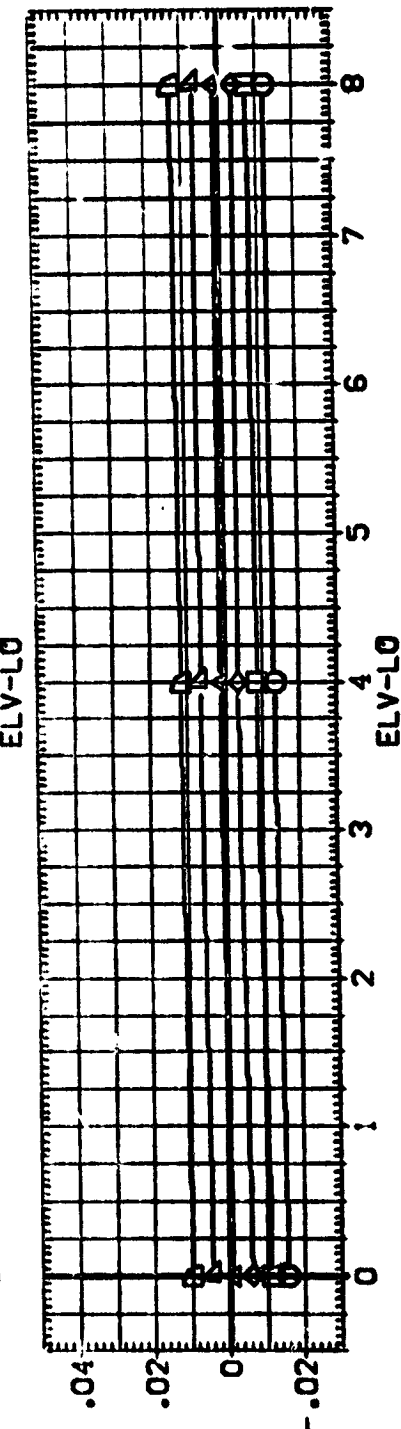
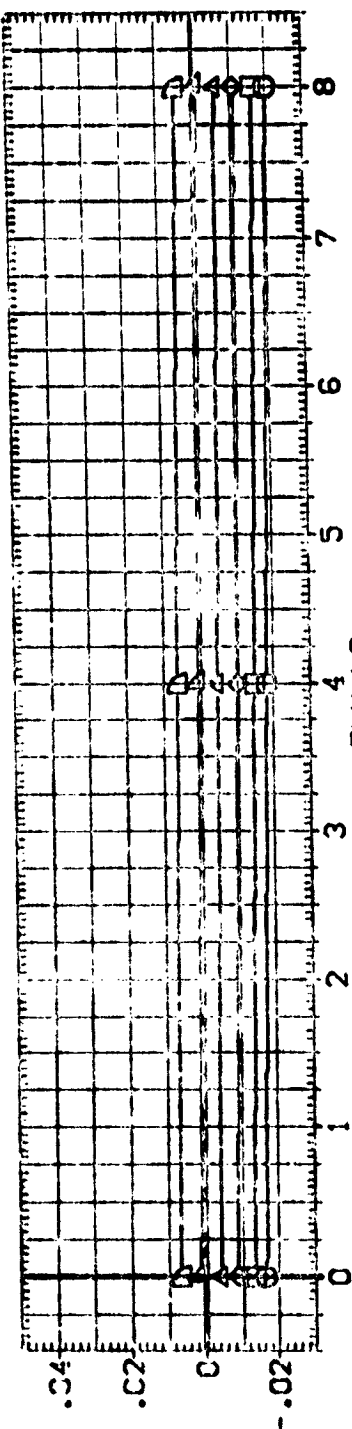
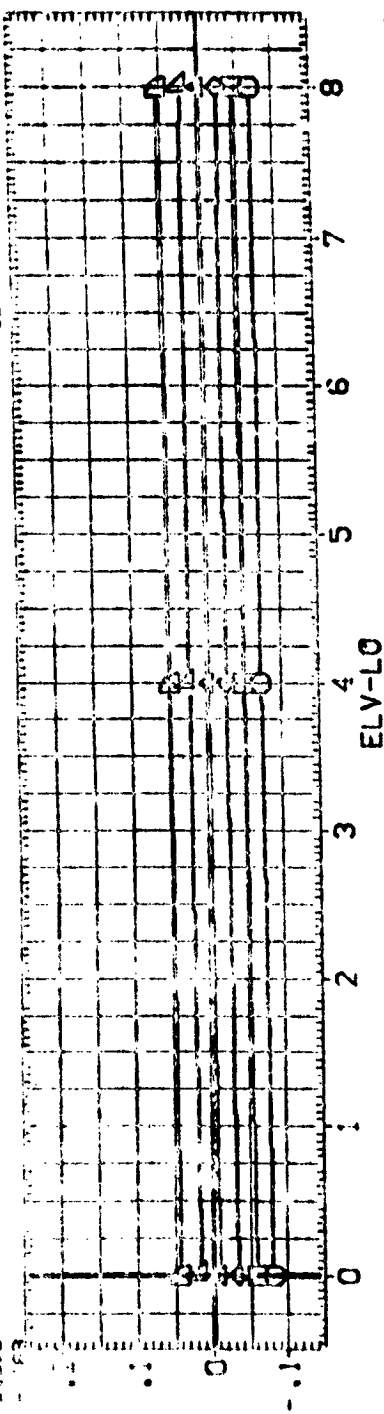
LARC 8-TPT-693 (1A43) CONFIGURATION 02/T4/S7 (RCHM10)

SYMBOL: 012-146

PARAMETRIC VALUES

ALPHA	-11.136	MACH	.900	BETA	.000	ELV-L0	8.000	R-CHM12	.000	DATA SET	ELV-L0	8.000	R-CHM11	4.000	SREF	2850.0000	SO.FT.
	-8.901	ELV-L1	8.000	ELV-R1	.000										LREF	2800.3000	NO-ES
	-5.711	RUDDER	.000	SPDRK	.000										XMRP	1250.3000	NO-ES
	-4.516	BOFLAP	.000												YMRP	976.0000	N. Y.
	-2.319														ZMRP	400.0000	N. Z.
															SCALE	.0100	

REFERENCE INFORMATION



WING LOAD FOR CONSTANT INBOARD ELEVON SETTING

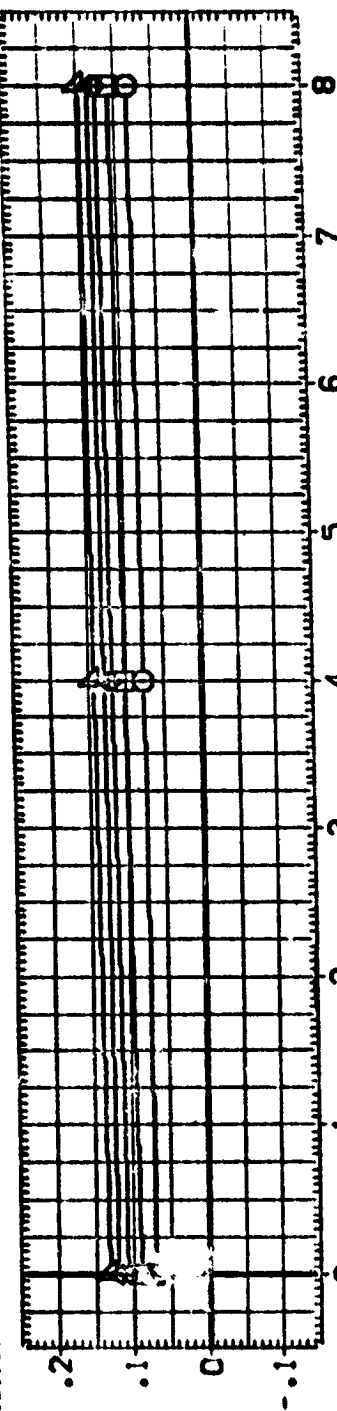
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LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/S7 (RHCM10)

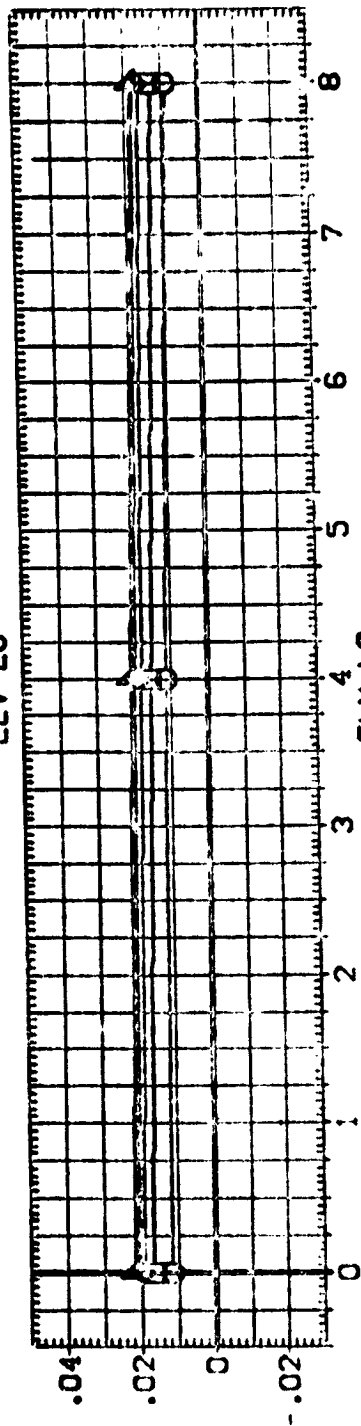
REFERENCE INFORMATION
 SQ.FY 2150.0000
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 IN. XT 976.0000
 IN. YI 400.0000
 IN. ZI 400.0000
 SCALE .0100

DATA SOURCE
 DATASET ELV-L0
 RHCM11 4.000
 ELV-L0 8.000
 DATASET ELV-L0
 RHCM12 8.000

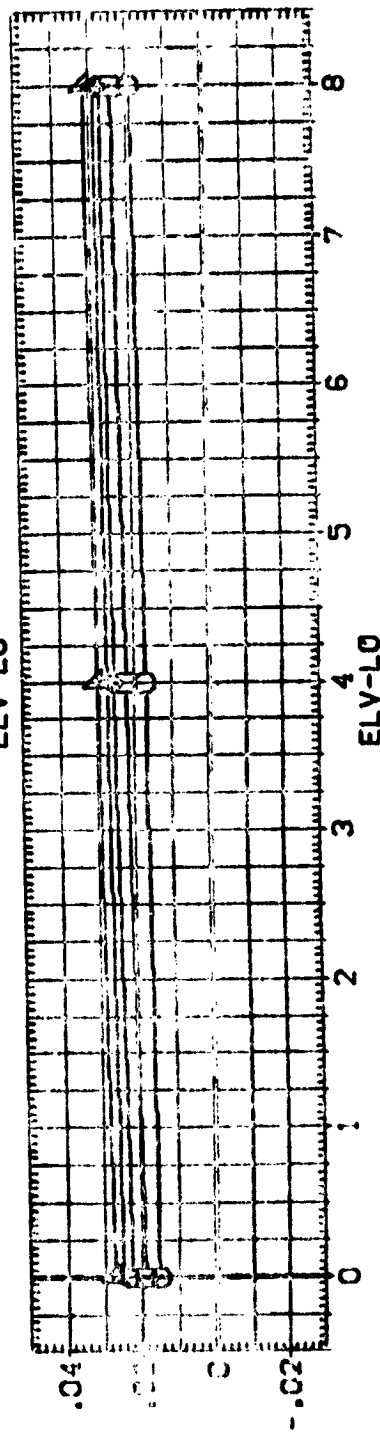
PARAMETRIC VALUES
 BETA .900
 ELV-R1 8.000
 SPDRK .000
 MACH 2.013
 ELV-L1 4.166
 RUDDER 6.341
 BOFLAP 8.529
 10.668



Cm



Cm



Cm

WING LOAD FOR CONSTANT INBOARD ELEVON SETTING

CRHCM103

REFERENCE INFORMATION

290.000	SQ.FT.
120.000	INCHES
120.000	INCHES
576.000	IN. X T
1.000	IN. Y
10.000	IN. Z
.0100	

SCALE
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0007
Y000
X000
JREF
LREF
SREF
4.000
F.V-10

DATA SOURCE	DATASET
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1000	3000

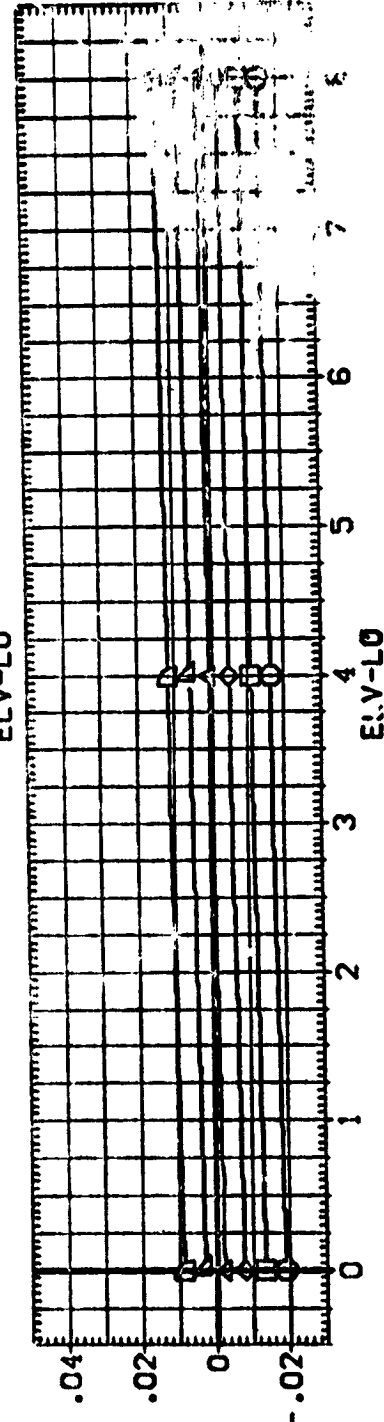
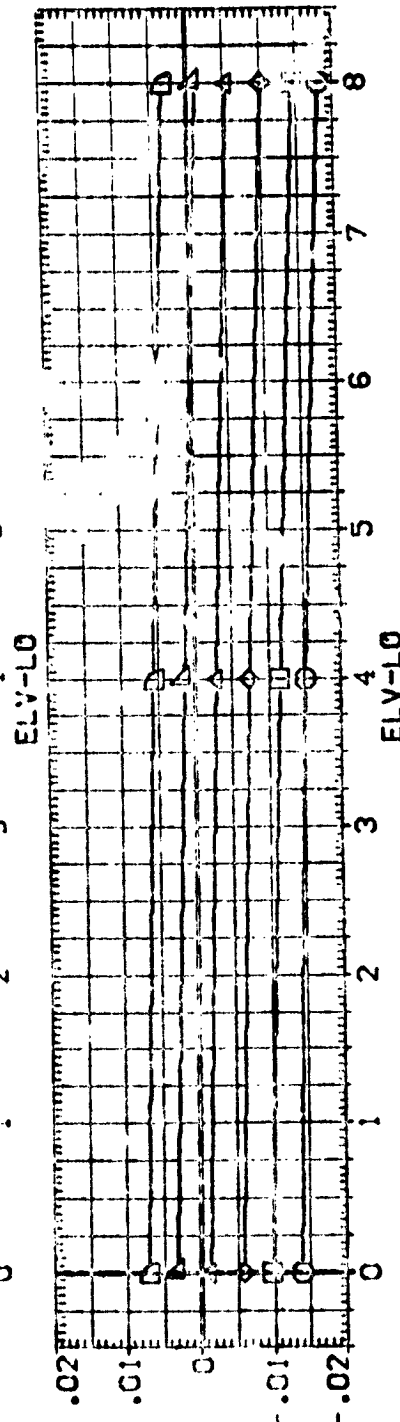
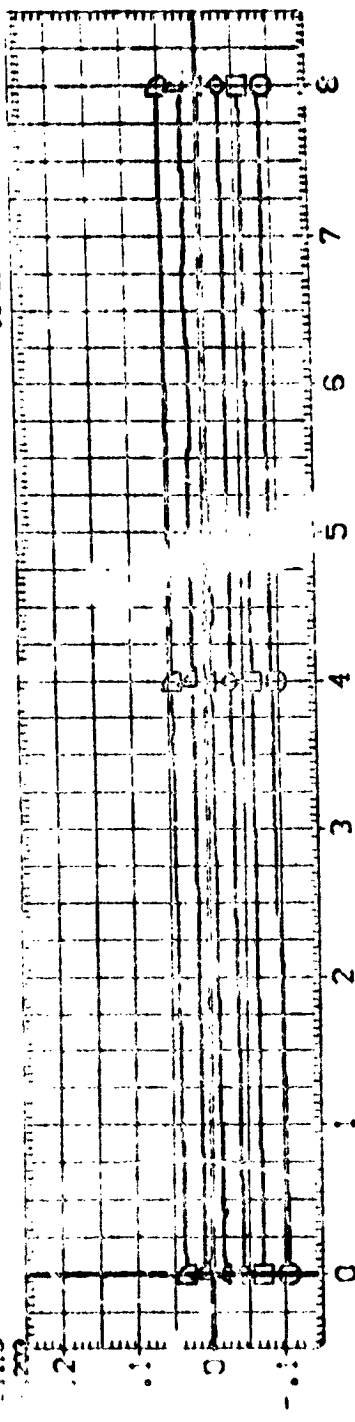
DATE: 10-10-68
ELEV: 1000
E: 1000

	VALUES	DETERMINED BY	DATE
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100B	100.0000	100.0000	100.0000
100A	100.0000	100.0000	100.0000

PARAMETER	UNIT	VALUE
...
...
...
...

ALPHA	BETA	CHARLIE	DELTA
11.389	11.389	11.389	11.389
-9.293	-9.293	-9.293	-9.293
-6.837	-6.837	-6.837	-6.837
-4.620	-4.620	-4.620	-4.620
-2.413	-2.413	-2.413	-2.413

1751103



DRAWING LOAD FOR CONSTANT INBOARD ELEVEN SETTING

ARC 8-TPT-693 (1A43) CONFIGURATION 02/14/57 (RHCMI0)

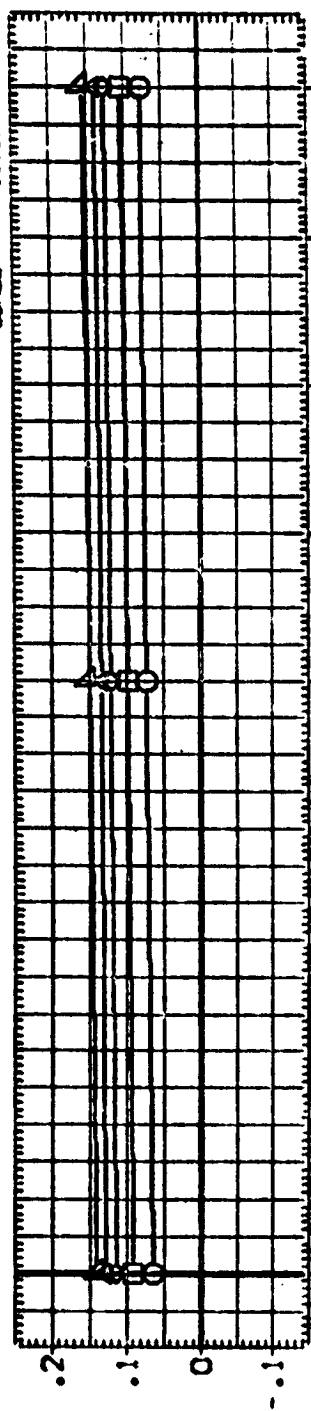
SYMBOL
 ○ □ ◇ △

ALPHA
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 4.184
 6.363
 8.542
 10.705

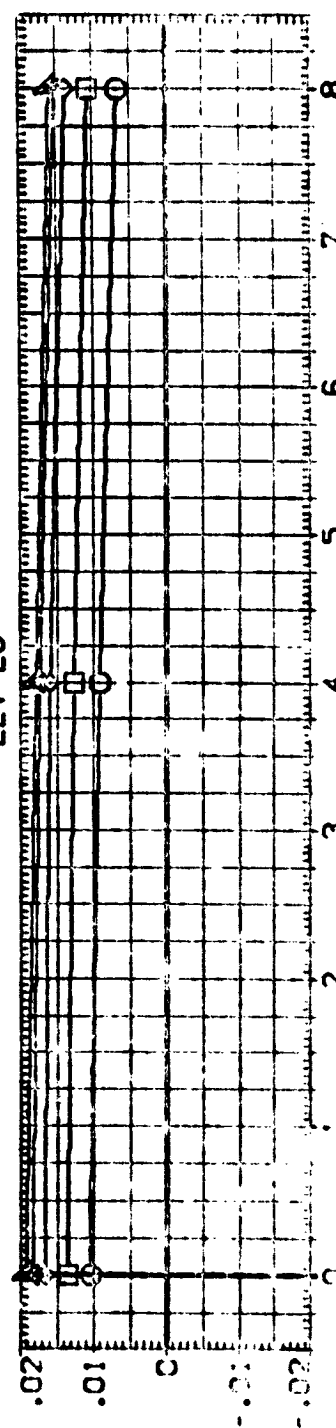
PARAMETRIC VALUES
 MACH .980
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 ELV-R1 8.000
 ELV-R2 8.000
 ELV-R3 8.000
 ELV-R4 8.000
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 ELV-R100 8.000

DATA SOURCE
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 ELV-L2
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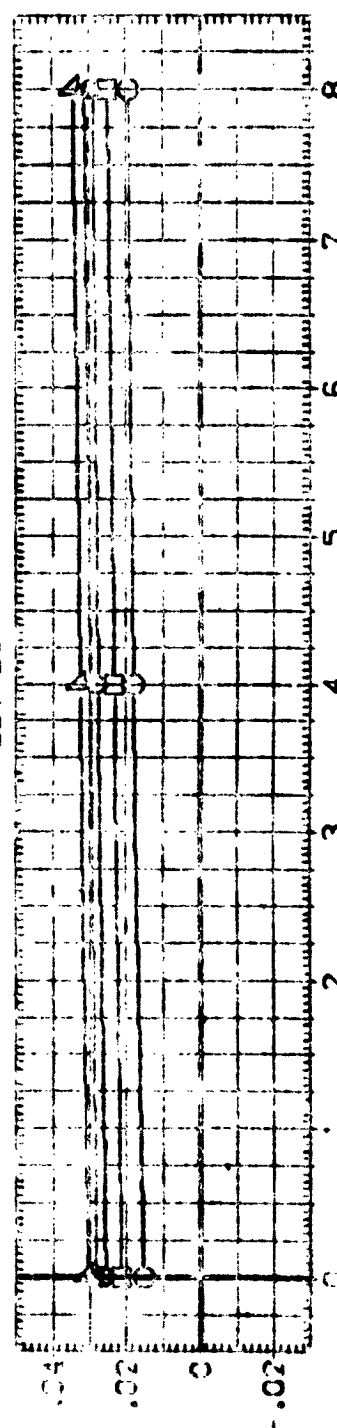
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 SCALE .0100



CNW



CTW



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WING LOAD FOR CONSTANT INBOARD ELEVON SETTING

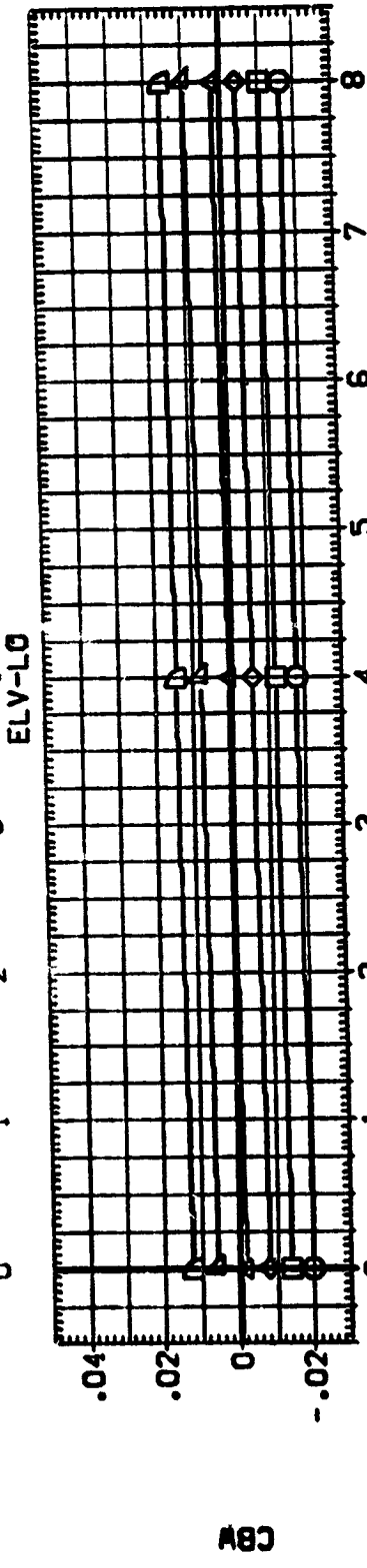
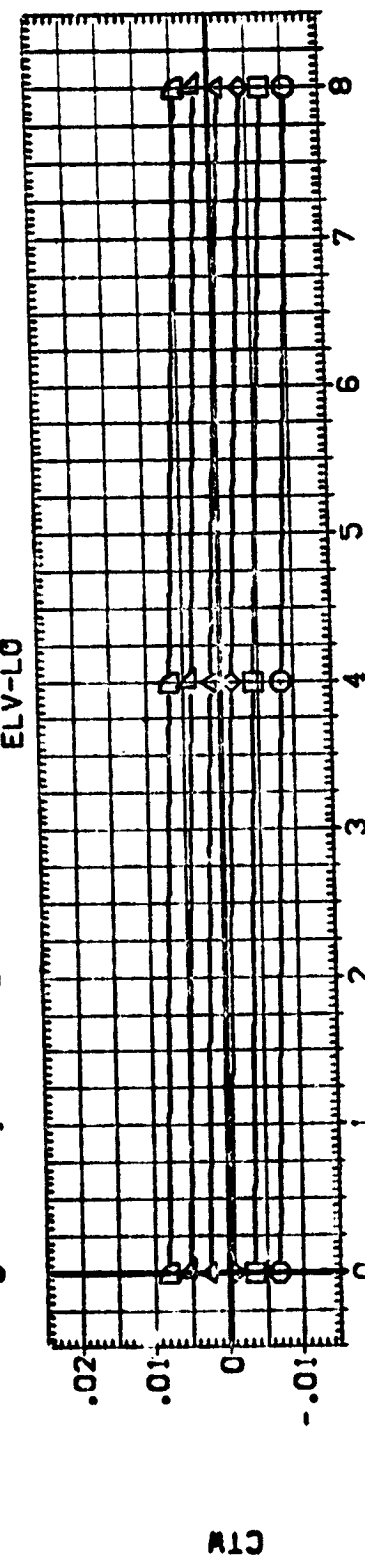
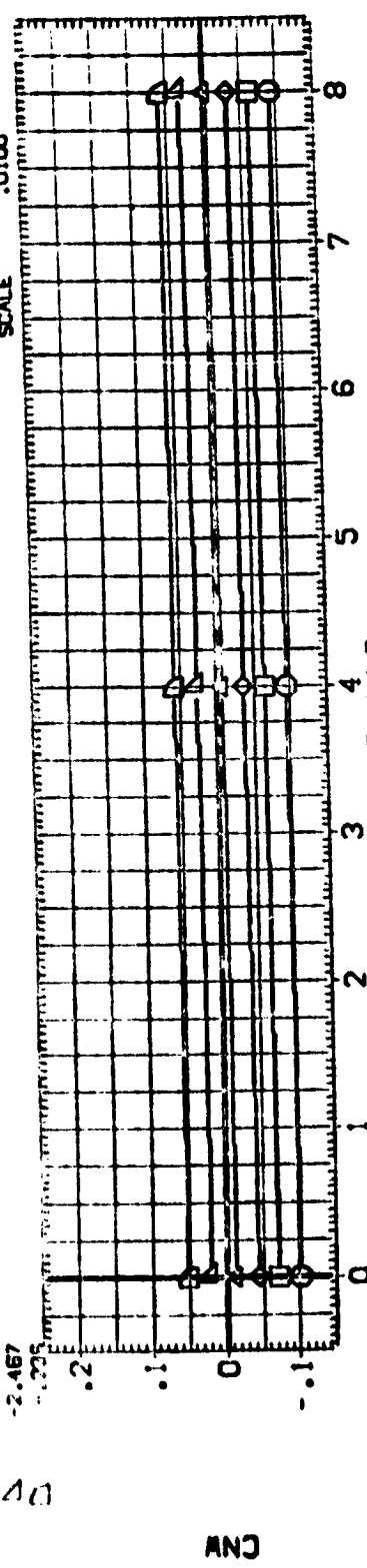
ARC 8-TPT-693 (IA43) CONFIGURATION 02/T4/S7 (RHCMI0)

REFERENCE INFORMATION			
SO.FT.	2690.0000	SREF	4.000
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IN. X	1250.3000	BREF	4.000
IN. Y	575.0000	XMRP	4.000
IN. Z	400.0000	YMRP	4.000
		ZMRP	4.000
		SCALE	.0100

PARAMETRIC VALUES	
MAC	1.130
BETA	8.000
ELV-L0	8.000
SPDRK	.000
ELV-L1	.000
RJDER	.000
BOFLAP	.000

ALPHA	-11.552
ELV-L2	-9.273
ELV-L3	-6.963
ELV-L4	-4.711
ELV-L5	-2.467

SYMBOL ON 3440



WING LOAD FOR CONSTANT INBOARD ELEVON SETTING

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06-98-00116

5786 011044

1.990
4.175
6.378
8.586
10.782

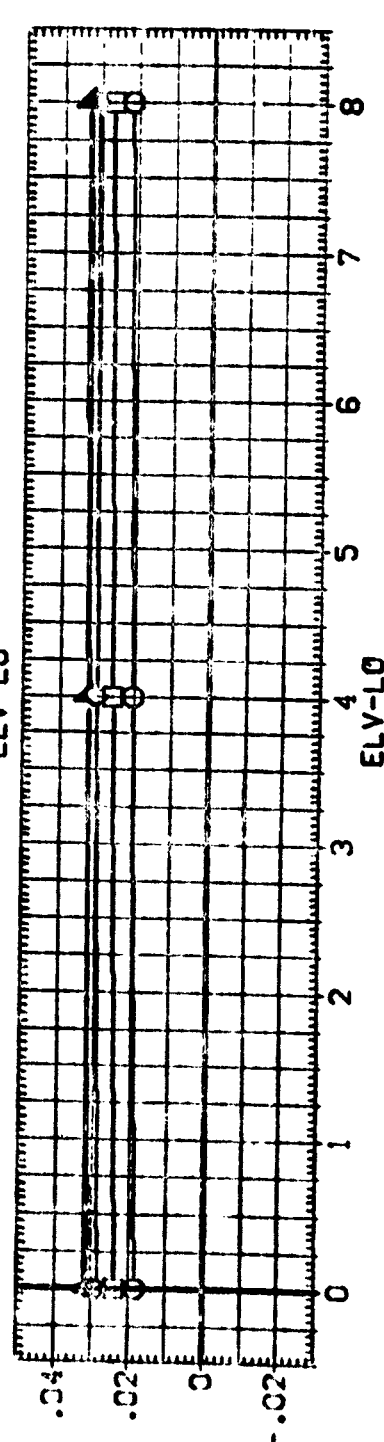
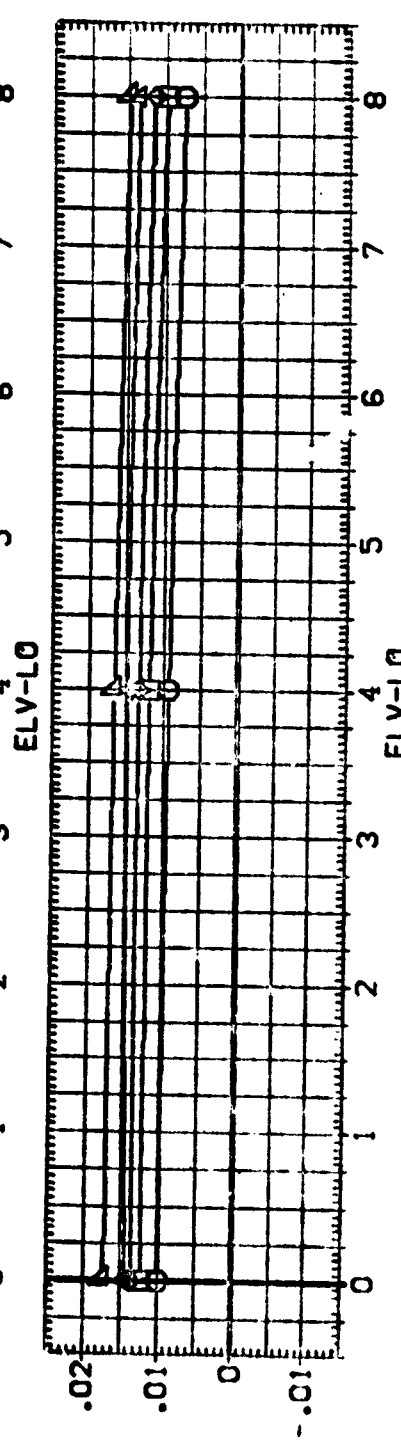
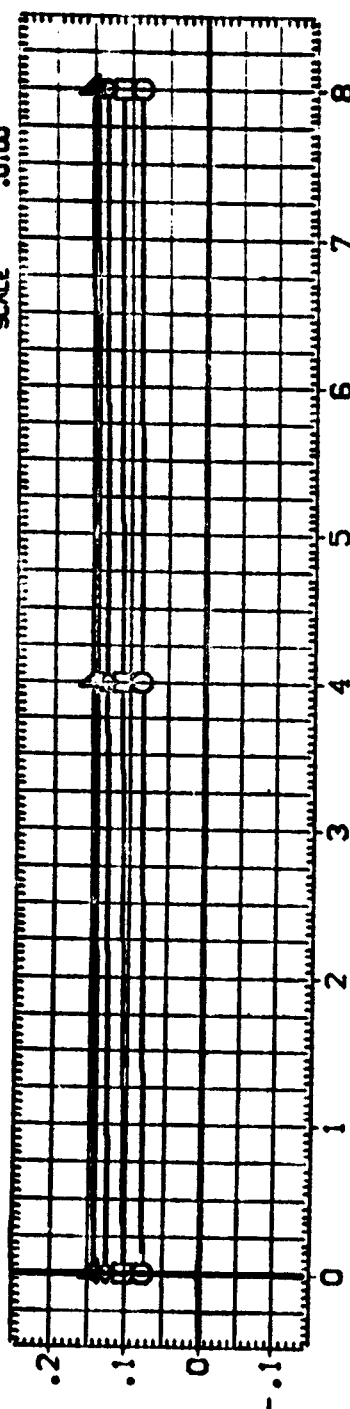
WACH
ELV-L?
RUDER
BOFLAP

PARAMETRIC VALUES	
BETA	1.130
ELV-R1	8.000
SPOBRK	.000
	.000

.000	DATASET
8.000	RC-M10
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000000
000000

V-LQ
4.000

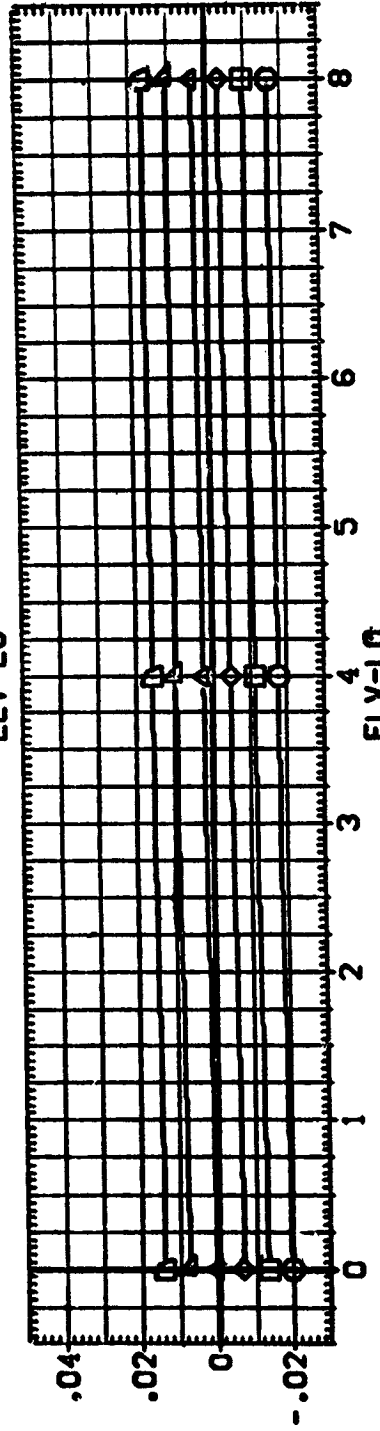
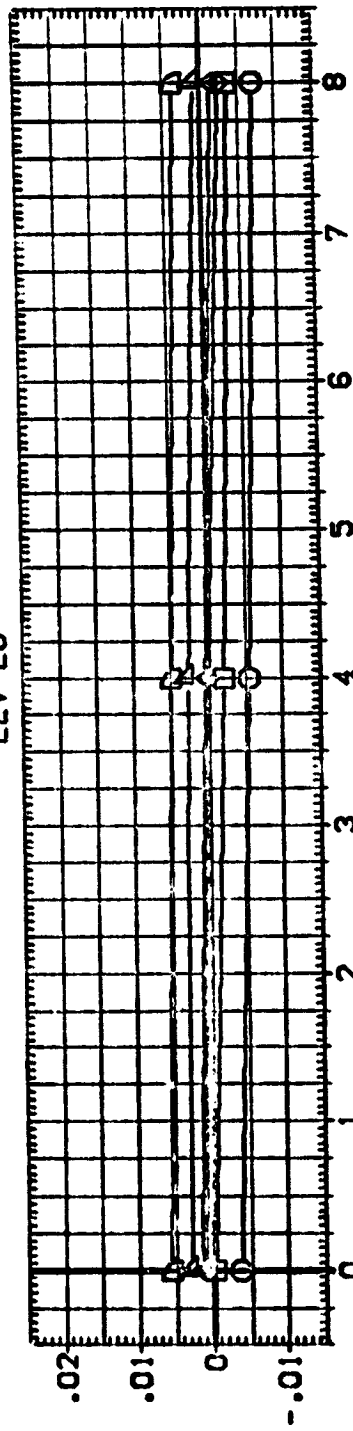
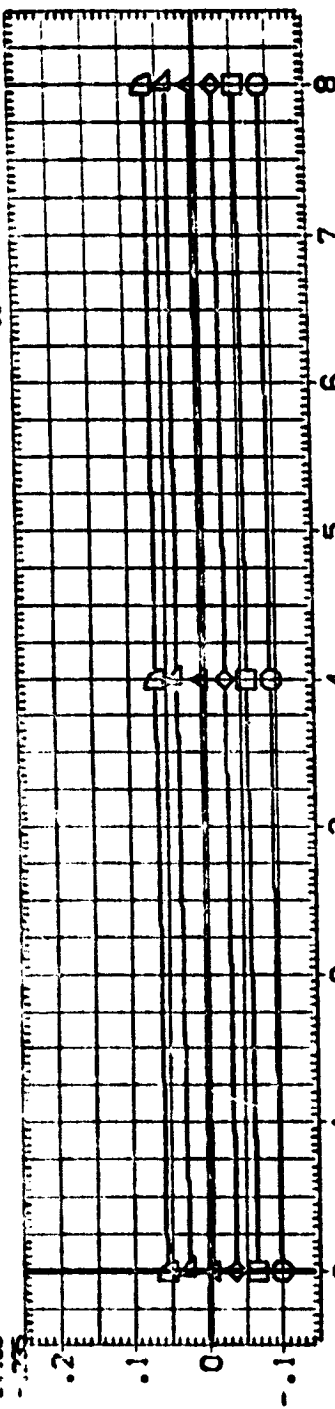
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WING LOAD FOR CONSTANT INBOARD ELEVEN SETTING



LARC 8-TPT-693 (1A43) CONFIGURATION 02/T4/S7 (RHCMI0)

SYMBOL	ALPHA	MACH	PARAMETRIC VALUES		DATA SOURCE		REFERENCE INFORMATION	
000000	-11.850	ELV-L0	1.200	BETA	.000	DATASET	ELV-L0	SREF
	-9.102	RJCEER	0.000	ELV-R1	0.000	RHCMI0	4.000	LREF
	-7.303	BOFLAP	.000	SPUSRK	9.000	RHCMI2	0.000	BREF
	-4.714		.000				0.000	XREF
	-2.489		.000				0.000	YREF
							0.000	ZREF
							0.000	SCALE
							0.000	SO.FT
							0.000	INCHES
							0.000	IN. XT
							0.000	IN. YT
							0.000	IN. ZT



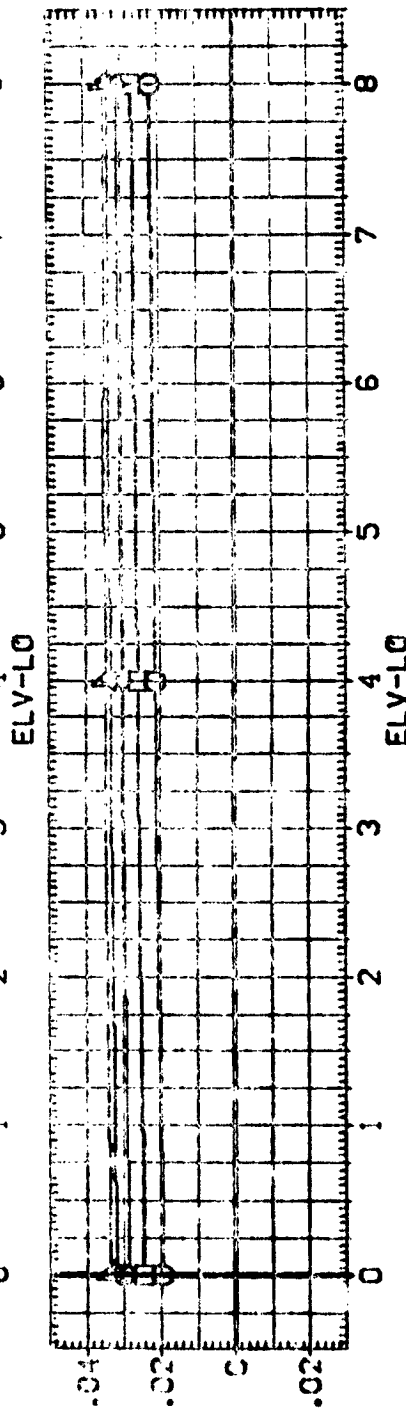
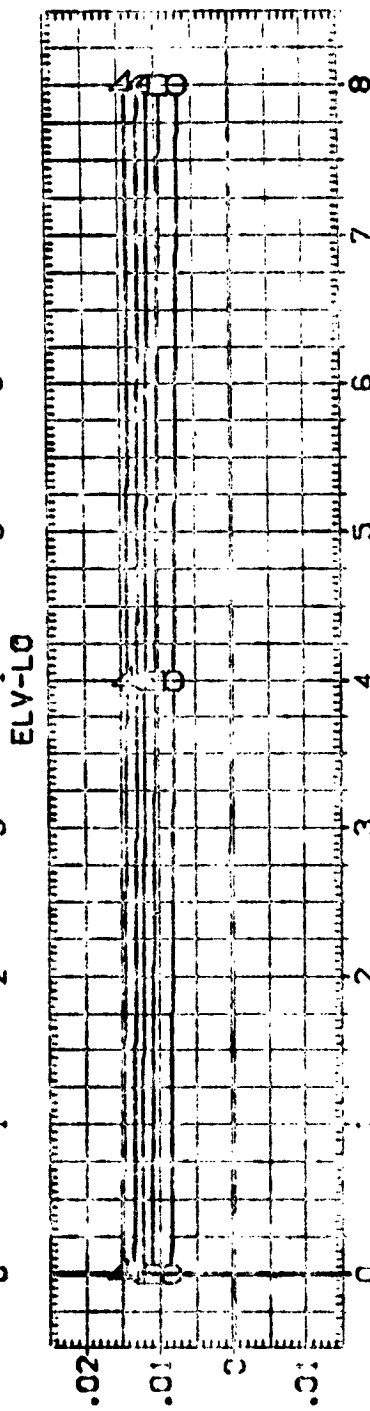
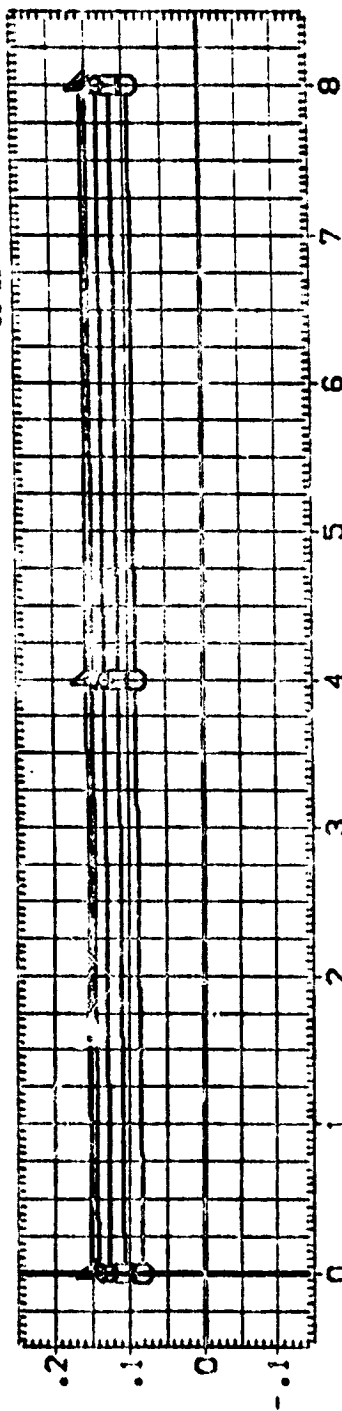
WING LOAD FOR CONSTANT INBOARD ELEVEN SETTING

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LARC 8-TPT-693 (IA43) CONFIGURATION 02/TA/S7 (RHCMI0)

SYMBOL 001044

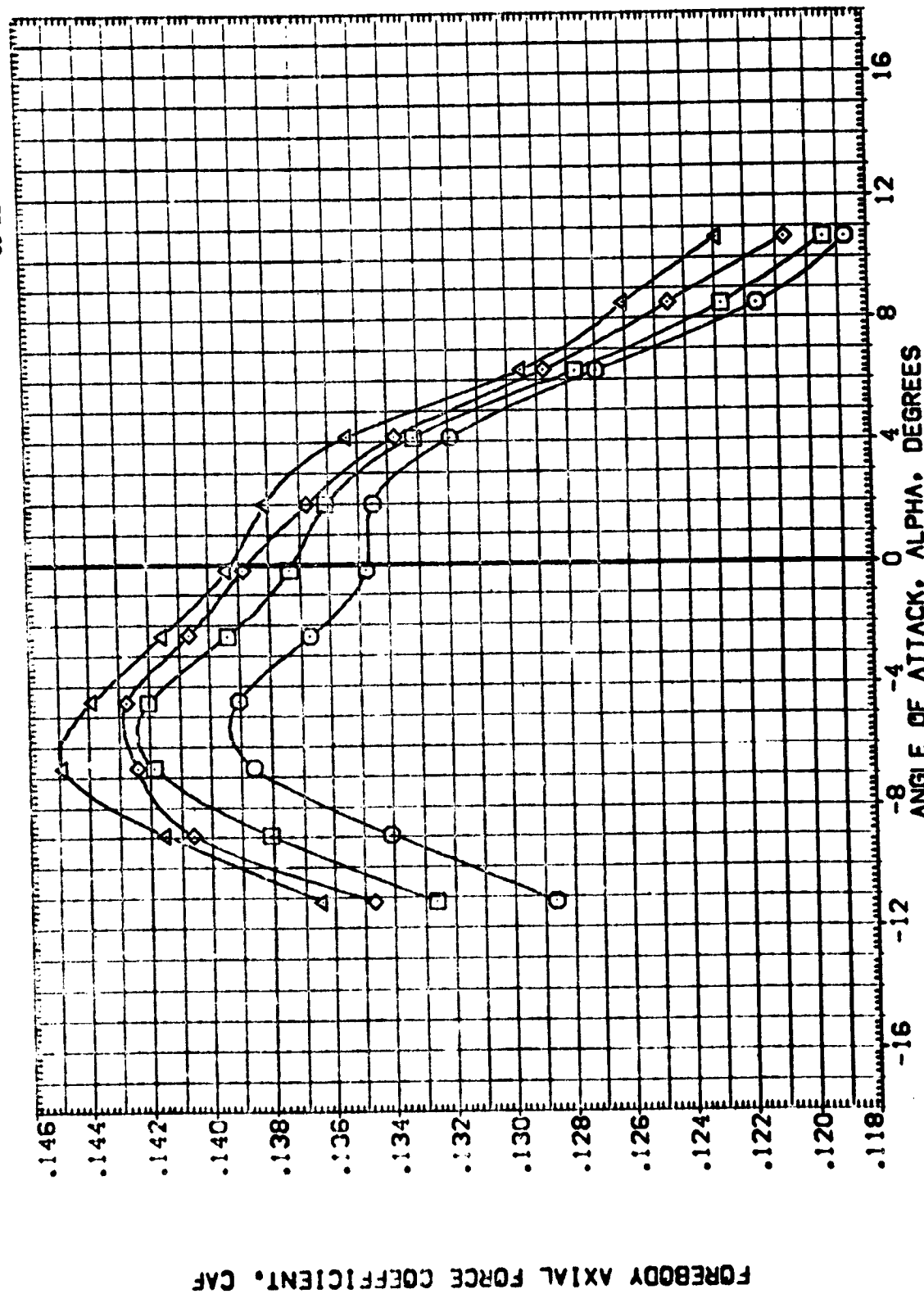
PARAMETRIC VALUES		DATA SOURCE		REFERENCE INFORMATION	
ALPHA	1.558	WACH	.000	ELV-LO	4.000
ELV-LO	4.180	ELV-LO	8.000	R-CH11	4.000
ELV-LO	6.407	ELV-LO	.000	R-CH12	8.000
ELV-LO	8.582	ELV-LO	.000	R-CH13	8.000
ELV-LO	10.815	ELV-LO	.000	R-CH14	8.000
		ELV-LO	.000	R-CH15	8.000
		ELV-LO	.000	R-CH16	8.000
		ELV-LO	.000	R-CH17	8.000
		ELV-LO	.000	R-CH18	8.000
		ELV-LO	.000	R-CH19	8.000
		ELV-LO	.000	R-CH20	8.000
		ELV-LO	.000	R-CH21	8.000
		ELV-LO	.000	R-CH22	8.000
		ELV-LO	.000	R-CH23	8.000
		ELV-LO	.000	R-CH24	8.000
		ELV-LO	.000	R-CH25	8.000
		ELV-LO	.000	R-CH26	8.000
		ELV-LO	.000	R-CH27	8.000
		ELV-LO	.000	R-CH28	8.000
		ELV-LO	.000	R-CH29	8.000
		ELV-LO	.000	R-CH30	8.000
		ELV-LO	.000	R-CH31	8.000
		ELV-LO	.000	R-CH32	8.000
		ELV-LO	.000	R-CH33	8.000
		ELV-LO	.000	R-CH34	8.000
		ELV-LO	.000	R-CH35	8.000
		ELV-LO	.000	R-CH36	8.000
		ELV-LO	.000	R-CH37	8.000
		ELV-LO	.000	R-CH38	8.000
		ELV-LO	.000	R-CH39	8.000
		ELV-LO	.000	R-CH40	8.000
		ELV-LO	.000	R-CH41	8.000
		ELV-LO	.000	R-CH42	8.000
		ELV-LO	.000	R-CH43	8.000
		ELV-LO	.000	R-CH44	8.000
		ELV-LO	.000	R-CH45	8.000
		ELV-LO	.000	R-CH46	8.000
		ELV-LO	.000	R-CH47	8.000
		ELV-LO	.000	R-CH48	8.000
		ELV-LO	.000	R-CH49	8.000
		ELV-LO	.000	R-CH50	8.000
		ELV-LO	.000	R-CH51	8.000
		ELV-LO	.000	R-CH52	8.000
		ELV-LO	.000	R-CH53	8.000
		ELV-LO	.000	R-CH54	8.000
		ELV-LO	.000	R-CH55	8.000
		ELV-LO	.000	R-CH56	8.000
		ELV-LO	.000	R-CH57	8.000
		ELV-LO	.000	R-CH58	8.000
		ELV-LO	.000	R-CH59	8.000
		ELV-LO	.000	R-CH60	8.000
		ELV-LO	.000	R-CH61	8.000
		ELV-LO	.000	R-CH62	8.000
		ELV-LO	.000	R-CH63	8.000
		ELV-LO	.000	R-CH64	8.000
		ELV-LO	.000	R-CH65	8.000
		ELV-LO	.000	R-CH66	8.000
		ELV-LO	.000	R-CH67	8.000
		ELV-LO	.000	R-CH68	8.000
		ELV-LO	.000	R-CH69	8.000
		ELV-LO	.000	R-CH70	8.000
		ELV-LO	.000	R-CH71	8.000
		ELV-LO	.000	R-CH72	8.000
		ELV-LO	.000	R-CH73	8.000
		ELV-LO	.000	R-CH74	8.000
		ELV-LO	.000	R-CH75	8.000
		ELV-LO	.000	R-CH76	8.000
		ELV-LO	.000	R-CH77	8.000
		ELV-LO	.000	R-CH78	8.000
		ELV-LO	.000	R-CH79	8.000
		ELV-LO	.000	R-CH80	8.000
		ELV-LO	.000	R-CH81	8.000
		ELV-LO	.000	R-CH82	8.000
		ELV-LO	.000	R-CH83	8.000
		ELV-LO	.000	R-CH84	8.000
		ELV-LO	.000	R-CH85	8.000
		ELV-LO	.000	R-CH86	8.000
		ELV-LO	.000	R-CH87	8.000
		ELV-LO	.000	R-CH88	8.000
		ELV-LO	.000	R-CH89	8.000
		ELV-LO	.000	R-CH90	8.000
		ELV-LO	.000	R-CH91	8.000
		ELV-LO	.000	R-CH92	8.000
		ELV-LO	.000	R-CH93	8.000
		ELV-LO	.000	R-CH94	8.000
		ELV-LO	.000	R-CH95	8.000
		ELV-LO	.000	R-CH96	8.000
		ELV-LO	.000	R-CH97	8.000
		ELV-LO	.000	R-CH98	8.000
		ELV-LO	.000	R-CH99	8.000
		ELV-LO	.000	R-CH100	8.000



WING LOAD FOR CONSTANT INBOARD ELEVON SETTING

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-L0	ELV-L1	ELV-R1	ELV-R0	REFERENCE INFORMATION
LAFC 8-TPT-893 (1A43)	02/14/57	.000	.000	.000	.000	SREF 2690.0000 SQ.FT.
LAFC 8-TPT-893 (1A43)	02/14/57	.000	.000	.000	.000	LREF 1290.3000 INCHES
LAFC 8-TPT-893 (1A43)	02/14/57	.000	.000	.000	.000	BREF 1290.3000 INCHES
LAFC 8-TPT-893 (1A43)	02/14/57	.000	.000	.000	.000	XPRP 976.0000 IN. YI
LAFC 8-TPT-893 (1A43)	02/14/57	.000	.000	.000	.000	YPRP 400.0000 IN. ZI
						SCALE 400.0100

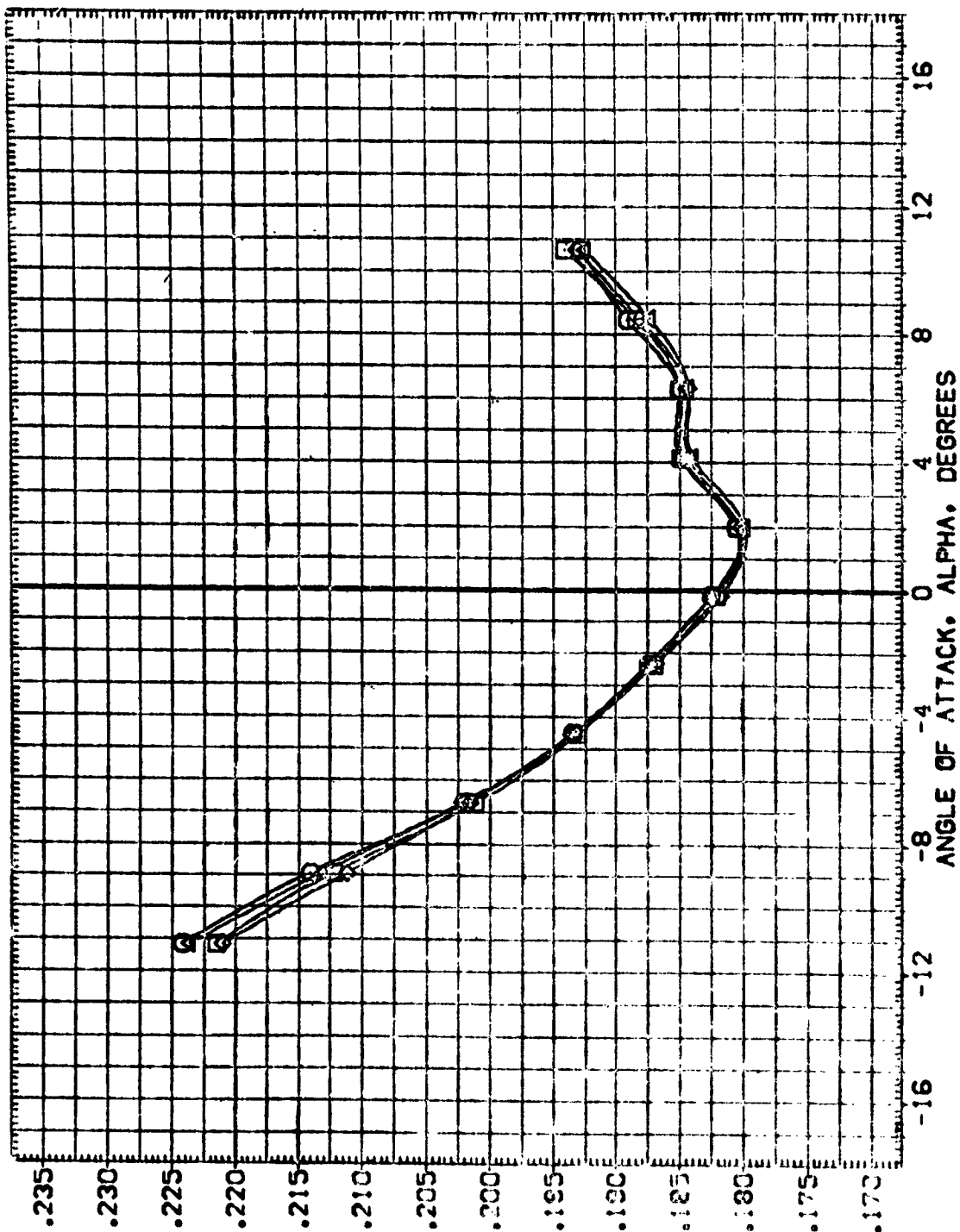


EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(A)MACH = .90

DATA SET SYMCL CONFIGURATION DESCRIPTION DATE/TIME ELV-LB ELV-LI ELV-RI ELV-RD REFERENCE INFORMATION SCALE

SYMBOL	CONFIGURATION	DATE/TIME	ELV-LB	ELV-LI	ELV-RI	ELV-RD	REFERENCE INFORMATION	SCALE
B-C005	LARC 8-TPT-583 [1A13]	02/14/57	.000	.000	.000	.000	SREF	50.0000
B-C005	LARC 8-TPT-583 [1A13]	02/14/57	.000	.000	.000	.000	LREF	1250.0000
B-C005	LARC 8-TPT-583 [1A13]	02/14/57	.000	.000	.000	.000	BREF	1250.0000
B-C005	LARC 8-TPT-583 [1A13]	02/14/57	.000	.000	.000	.000	YMRP	576.0000
B-C005	LARC 8-TPT-583 [1A13]	02/14/57	.000	.000	.000	.000	ZMRP	400.0000
B-C005	LARC 8-TPT-583 [1A13]	02/14/57	.000	.000	.000	.000	SCALE	.0100



EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

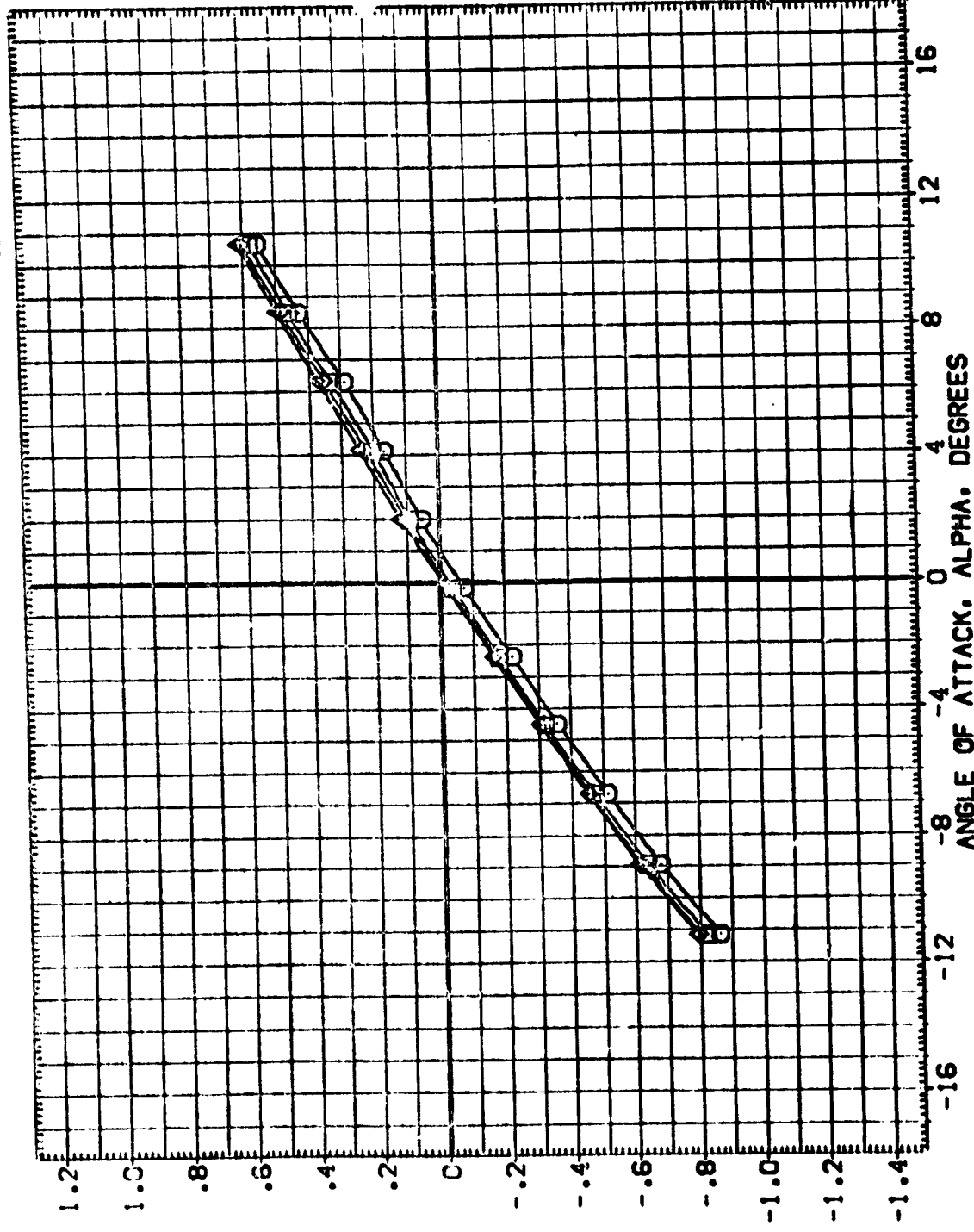
(A)MACH = .90

PAGE 142

REFERENCE INFORMATION
 SREF 2630.0000 SQ.FT.
 LREF 150.0000 INCHES
 BREF 1250.0000 INCHES
 XREF 975.0000 IN. XT
 YREF 400.0000 IN. YT
 ZREF 400.0000 IN. ZT
 SCALE .0100

ELV-LB ELV-LI ELV-RI ELV-RB
 .000 .000 .000 .000
 .000 .000 .000 .000
 4.000 4.000 4.000 4.000
 8.000 8.000 8.000 8.000

CO-ORDINATION DESCRIPTION
 U-PT-553 (143) C-553 GURAT 57
 A-PT-553 (143) C-553 GURAT 57
 A-PT-553 (143) C-553 GURAT 57
 A-PT-553 (143) C-553 GURAT 57



FOREBODY NORMAL FORCE COEFFICIENT • CNF

EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

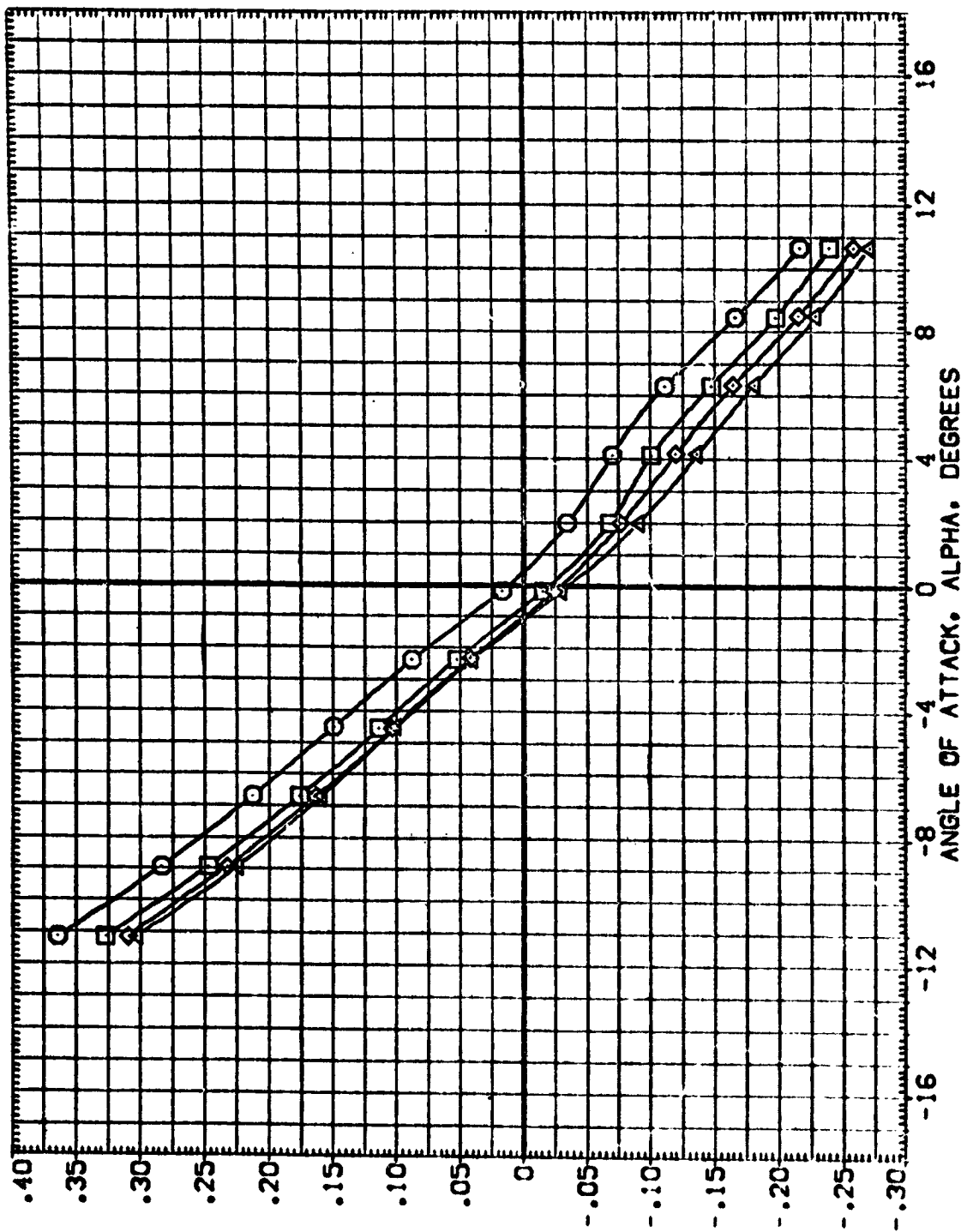
(A)MACH = .90

DATA SET SYMBOL: [B-C006] [B-C015] [B-C014] [B-C013]

CONFIGURATION DESCRIPTION: LARC 8-TPT-693 [1A13] LARC 8-TPT-693 [1A13] LARC 8-TPT-693 [1A13] LARC 8-TPT-693 [1A13]

DATE: 02/14/57 02/14/57 02/14/57 02/14/57

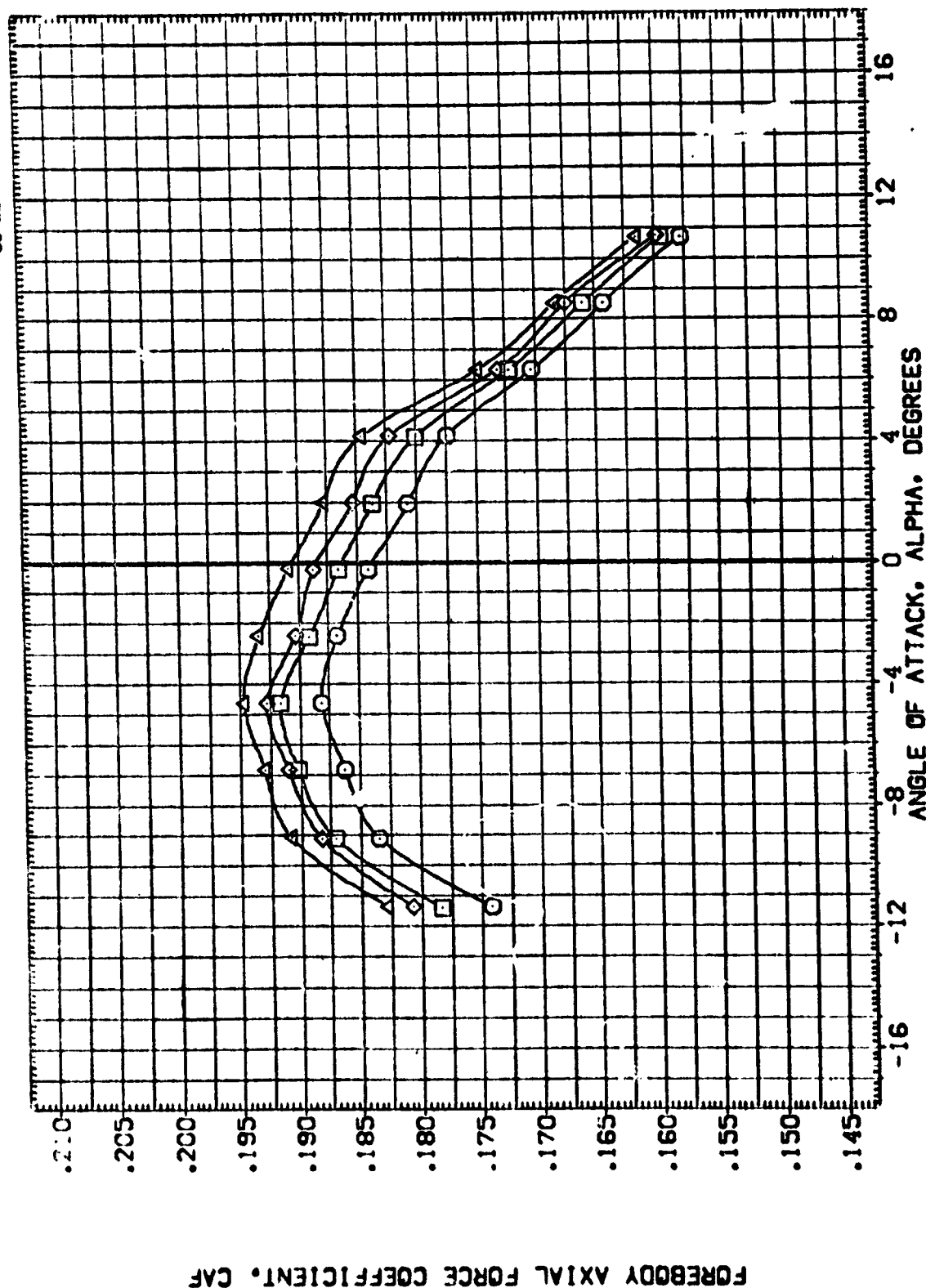
REFERENCE INFORMATION: SREF 2290.0000 SQ.FT. LREF 1750.3000 INCHES BREF 1250.3000 INCHES XMRP 976.0000 IN. XT 400.0000 IN. ZT 400.0000 IN. SCALE .0100



EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(A)MACH = .90

PAGE 144

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EFFECT OF ELEVAN DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

$$(B)MACH = .98$$

PAGE 145

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CONF	DURATION	DESCRIPTION	02/14/57
LARC	0-TPT-693	[A43]	CONF:GURATION
LARC	0-TPT-693	[A43]	CONF:GURATION
LARC	0-TPT-693	[A43]	CONF:GURATION
LARC	0-TPT-693	[A43]	CONF:GURATION

02-1-73

ELV-R!

11-7-47

ELV-LB

1971-1972

13 14

1000

...

10

DL-173

ELV-R!

1-7-A

25

ELV

3

14167

NOTES

FIGURE 1

8

51-2080

DATA 88

SCALE	.0100	
ZMRP	400.0000	IN. ZT
ZMRP	976.0000	IN. YI
XMRP	1290.0000	IN. XZ
BREF	1290.0000	IN. YI
SREF	1290.0000	IN. XZ

8888
•
40

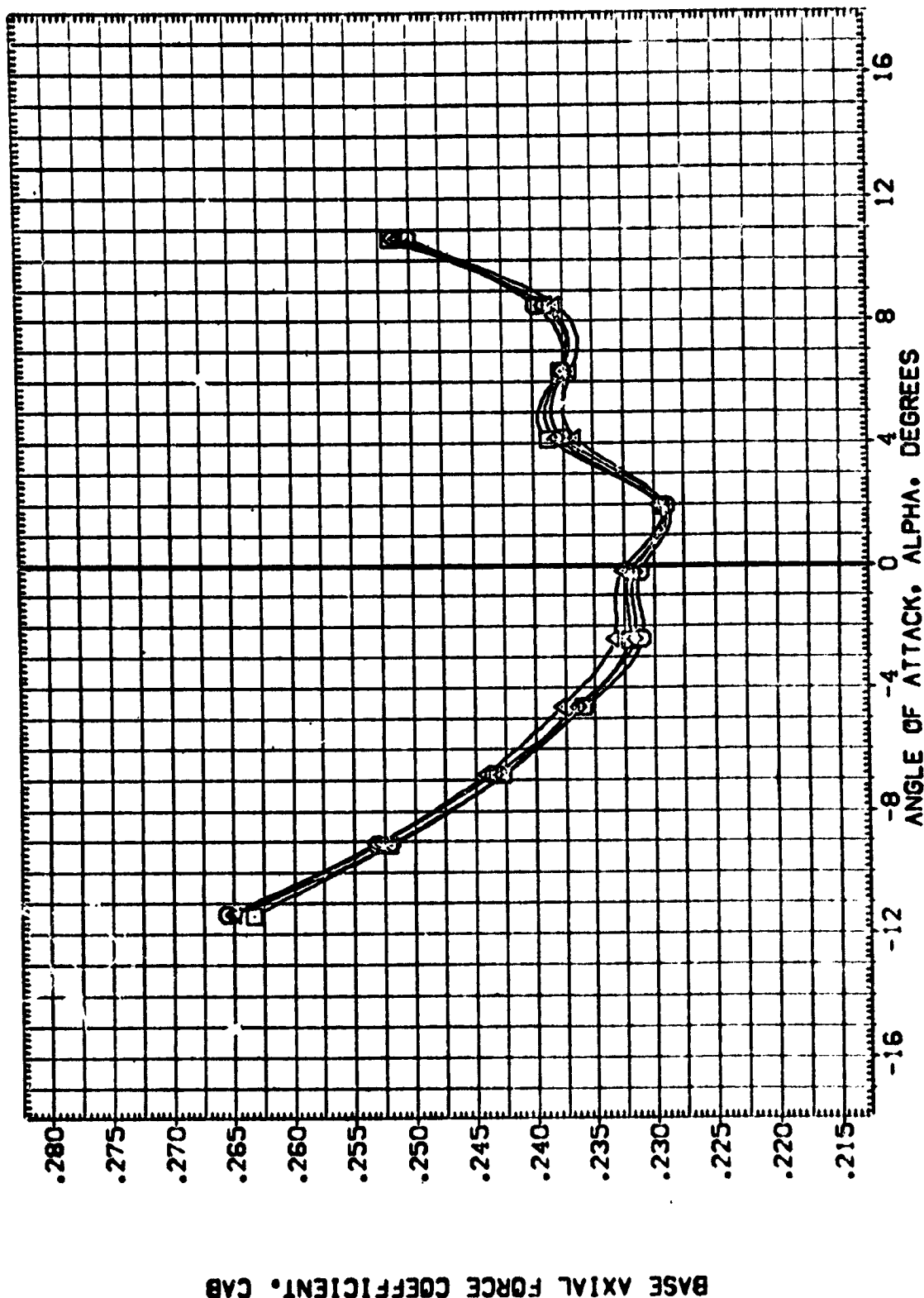
8888
•
444

8888
•
444

8888
•
40

LARC	0-TPT-0293	[A43]	006	0URAT	62/74/57
LARC	0-TPT-0293	[A43]	006	0URAT	62/74/57
LARC	0-TPT-0293	[A43]	006	0URAT	62/74/57
LARC	0-TPT-0293	[A43]	006	0URAT	62/74/57

WORLD



EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(B)MACH = .98

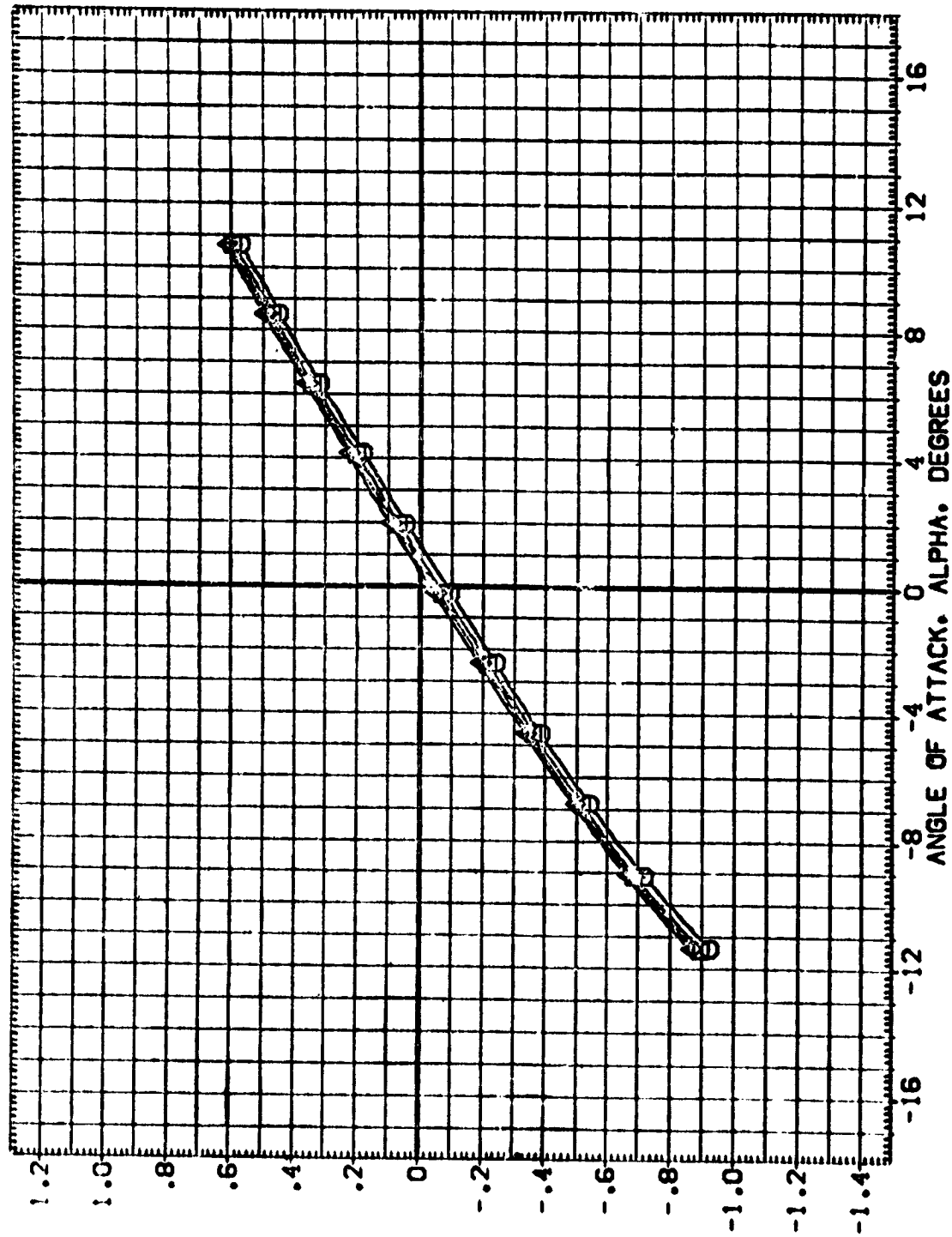
PAGE 146



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FOREBODY NORMAL FORCE COEFFICIENT - CNF

DATA #	SYMBOL	CONFIGURATION DESCRIPTION	ELV-L8	ELV-L1	ELV-R1	ELV-R8	REFERENCE INFORMATION
1	Q	LAC 8-TPT-893 (A43) CDF [GURAT] 5N	.000	.000	.000	.000	SREF 2690.0000 SO.FT.
2	Q	LAC 8-TPT-893 (A43) CDF [GURAT] 5N	.000	.000	.000	.000	LREF 1250.3000 INC-ES
3	X	LAC 8-TPT-893 (A43) CDF [GURAT] 5N	.000	.000	.000	.000	BREF 1250.3000 INC-ES
4	X	LAC 8-TPT-893 (A43) CDF [GURAT] 5N	.000	.000	.000	.000	YREF 576.0000 IN. XT
5	X	LAC 8-TPT-893 (A43) CDF [GURAT] 5N	.000	.000	.000	.000	ZREF 400.0000 IN. ZI
							SCALE .0100



EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(B)MACH = .98

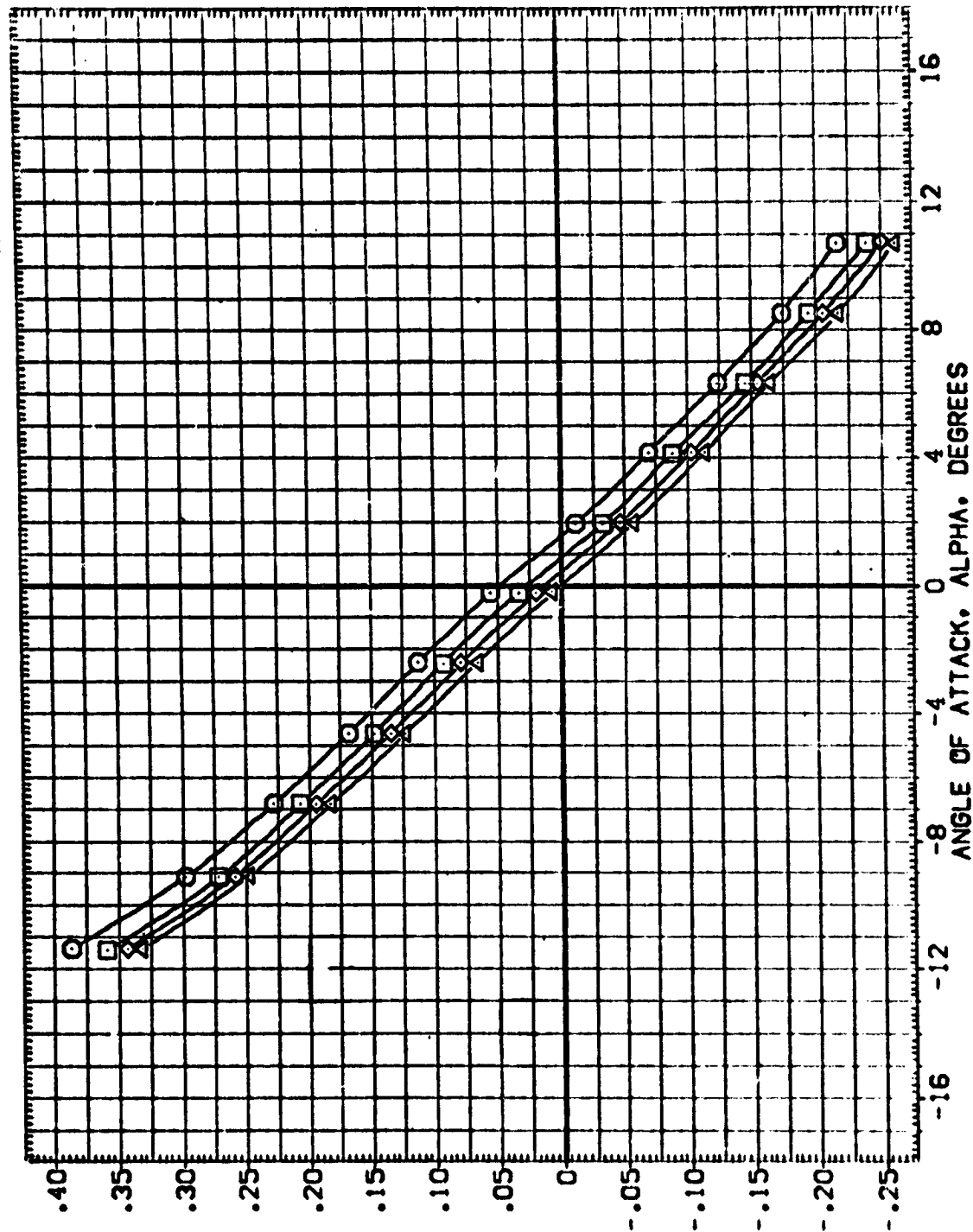
DATA SET SYMBOL: [9-0013] [9-0014] [9-0015] [9-0016]

CONFIGURATION DESCRIPTION: LARC 8-TPT-693 [A43] LARC 8-TPT-693 [A43] LARC 8-TPT-693 [A43] LARC 8-TPT-693 [A43]

DATE: 02/14/57 02/14/57 02/14/57 02/14/57

REFERENCE INFORMATION:

REF	ELV-R0	ELV-R1	ELV-L1	ELV-L0	IN: FT	IN: IN
REF	.000	.000	.000	.000	30.0000	30.0000
LREF	.000	.000	.000	.000	30.0000	30.0000
BREF	.000	.000	.000	.000	30.0000	30.0000
XTRP	4.000	4.000	4.000	4.000	976.0000	976.0000
ZTRP	8.000	4.000	4.000	4.000	400.0000	400.0000
SCALE						.0100



EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

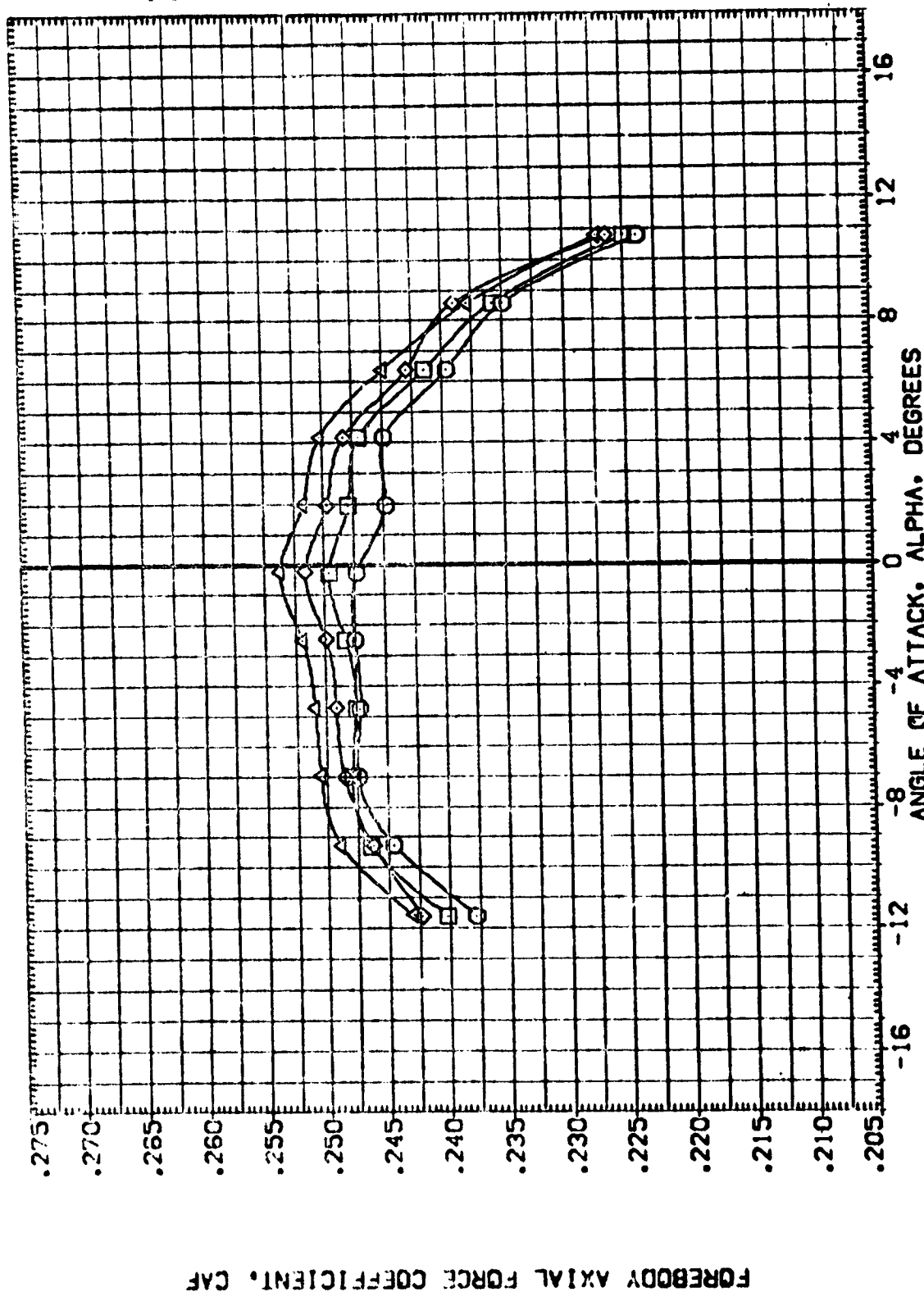
(B)MACH = .98

REFERENCE INFORMATION
 SPEC 2600.0000 SO.FT.
 LATE 1200.3000 INCHES
 9-REF 1200.3000 IN. AT
 2-REF 975.0000 IN. YI
 2-REF 400.0000 IN. ZI
 SCALE .0100

ELV-L0 ELV-L1 ELV-R1 ELV-R0
 .000 .000 .000 .000
 4.000 4.000 4.000 4.000
 4.000 4.000 4.000 4.000
 8.000 8.000 8.000 8.000

CONFIGURATION DESCRIPTION
 02/14/57
 02/14/57
 02/14/57
 02/14/57

02/14/57
 02/14/57
 02/14/57
 02/14/57



EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

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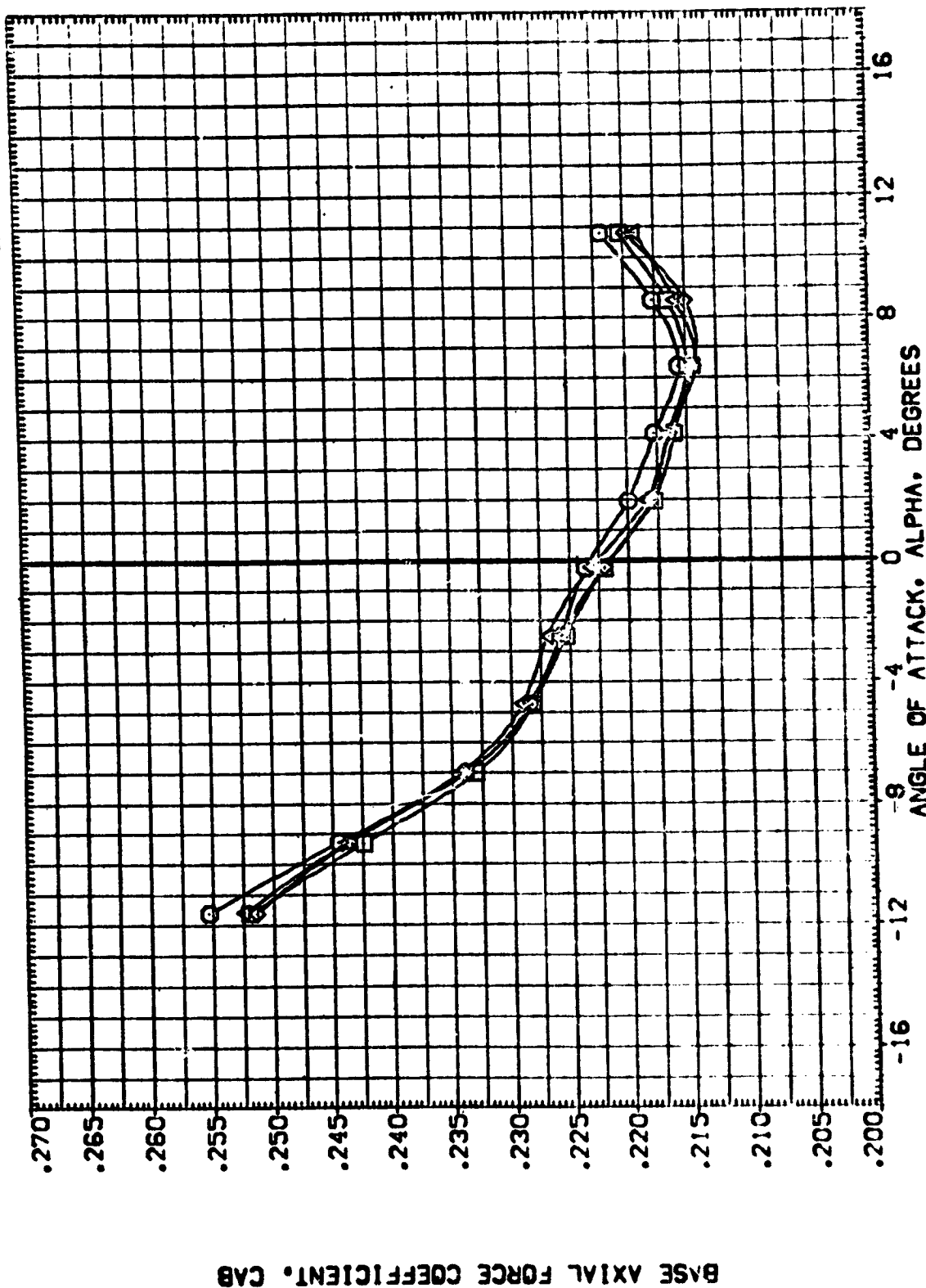
DATA SET SYMBOL: {B-C008} {B-C015} {B-C014} {B-C013}

CONFIGURATION DESCRIPTION: LARC 8-TPT-693 {A43} LARC 8-TPT-693 {A43} LARC 8-TPT-693 {A43} LARC 8-TPT-693 {A43}

CONFIGURATION: 02/14/57 02/14/57 02/14/57 02/14/57

ELV-L0 ELV-L1 ELV-R1 ELV-R0: .000 .000 .000 .000
 .000 .000 .000 .000
 4.000 4.000 4.000 4.000
 8.000 8.000 8.000 8.000

REFERENCE INFORMATION: SREF 400.0000 SQ.FT.
 LREF 1290.3000 INCHES
 BREF 1290.3000 INCHES
 XTRP 576.0000 IN. XT
 YTRP 400.0000 IN. YT
 ZTRP 400.0000 IN. ZT
 SCALE .0100



EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

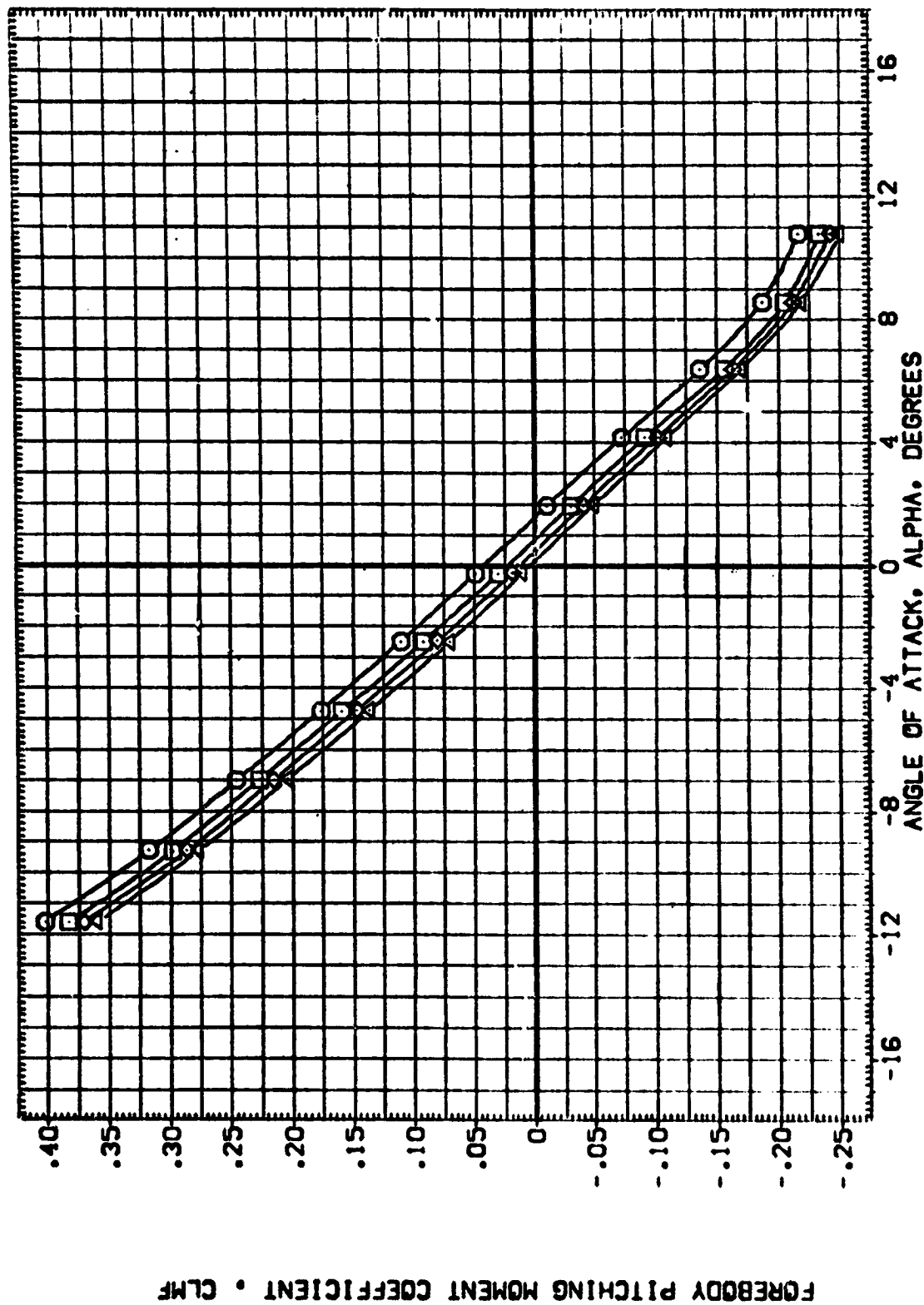
(C)MACH = 1.13

PAGE 150

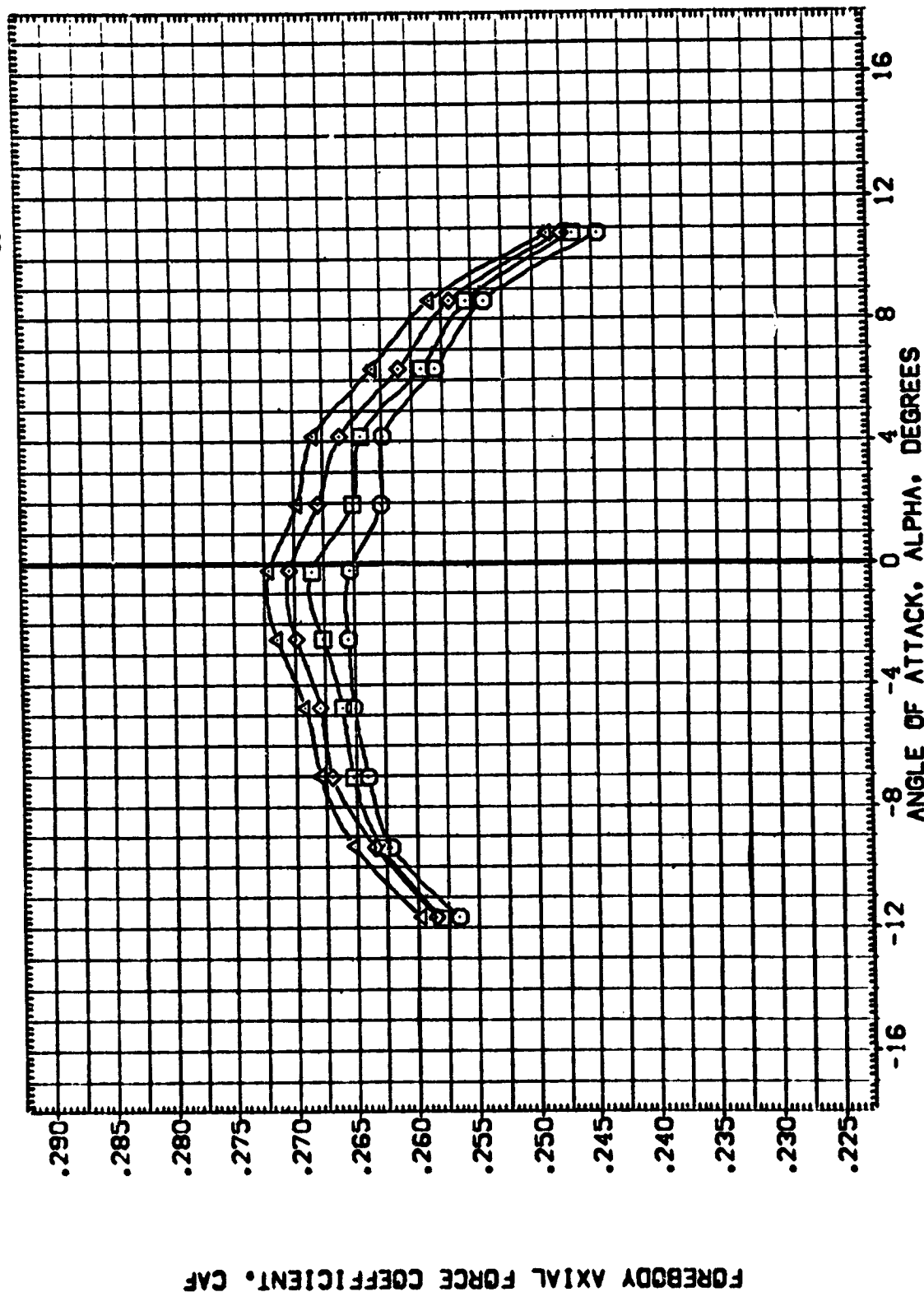
DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(B-C006)	LARC 0-TPT-693	[A13] CONF 63
(B-C015)	LARC 0-TPT-633	[A13] CONF 63
(B-C014)	LARC 0-TPT-633	[A13] CONF 63
(B-C013)	LARC 0-TPT-693	[A13] CONF 63

ELV-RG	ELV-R1	ELV-R0	REF
.000	.000	.000	SREF
.000	.000	.000	LREF
4.000	4.000	4.000	BREF
4.000	4.000	4.000	XREF
8.000	4.000	8.000	YREF
			ZREF
			SCALE

REFERENCE INFORMATION		50 FT	
		INCHES	IN. X
SREF	100.000	IN. X	100.000
LREF	100.000	IN. X	100.000
BREF	100.000	IN. X	100.000
XREF	576.000	IN. X	576.000
YREF	400.000	IN. X	400.000
ZREF	0.0100	IN. X	0.0100



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	DATE	ELV-LG	ELV-LI	ELV-RI	ELV-RO	REFERENCE INFORMATION
3-0013	1	LARC 8-TPT-693 [1A13] CO-FIGURATION	02/14/57	.000	.000	.000	.000	SREF 2690.0000 50.FT.
3-0013	2	LARC 8-TPT-693 [1A13] CO-FIGURATION	02/14/57	.000	.000	.000	.000	LREF 1290.3000 INCHES
3-0013	3	LARC 8-TPT-693 [1A13] CO-FIGURATION	02/14/57	.000	.000	.000	.000	BREF 1290.3000 INCHES
3-0013	4	LARC 8-TPT-693 [1A13] CO-FIGURATION	02/14/57	.000	.000	.000	.000	XMRP 576.0000 IN. YI
3-0013	5	LARC 8-TPT-693 [1A13] CO-FIGURATION	02/14/57	.000	.000	.000	.000	YMRP 400.0000 IN. ZI
3-0013	6	LARC 8-TPT-693 [1A13] CO-FIGURATION	02/14/57	.000	.000	.000	.000	SCALE .0100



EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

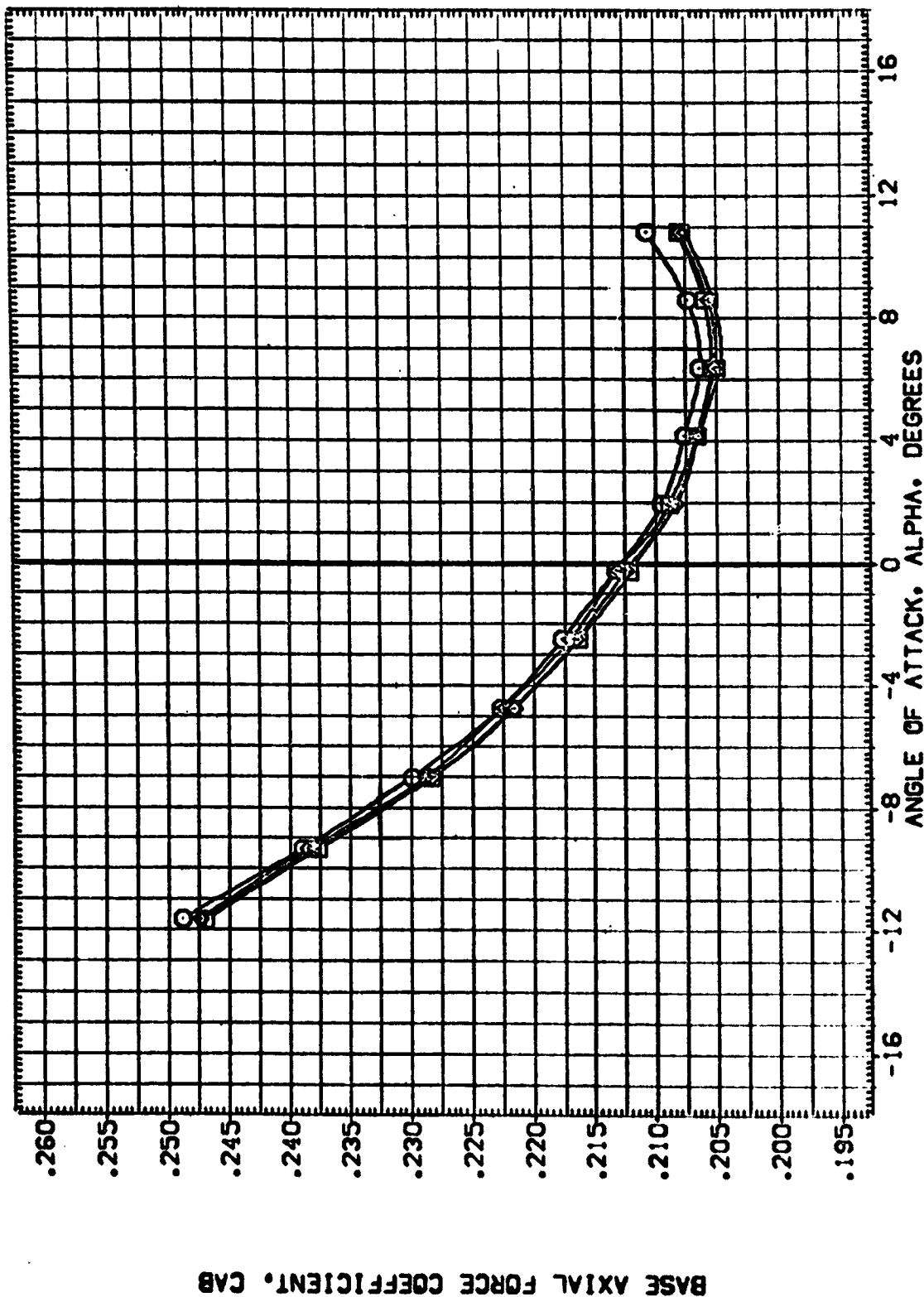
COMACH = 1.20

PAGE 153

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-LO	ELV-LI	ELV-RI	ELV-RO	REFERENCE INFORMATION
[B-C008]	LARC 8-TPT-693 [1A43] CONF [GURATION 02/14/57	.000	.000	.000	.000	SQ.FT. 2690.0000
[B-C015]	LARC 8-TPT-693 [1A43] CONF [GURATION 02/14/57	.000	.000	.000	.000	INCHES 1290.3000
[B-C014]	LARC 8-TPT-693 [1A43] CONF [GURATION 02/14/57	.000	.000	.000	.000	INCHES 1290.3000
[B-C013]	LARC 8-TPT-693 [1A43] CONF [GURATION 02/14/57	.000	.000	.000	.000	IN. YI 576.0000
		.000	.000	.000	.000	IN. ZI 400.0000
						SCALE .0100

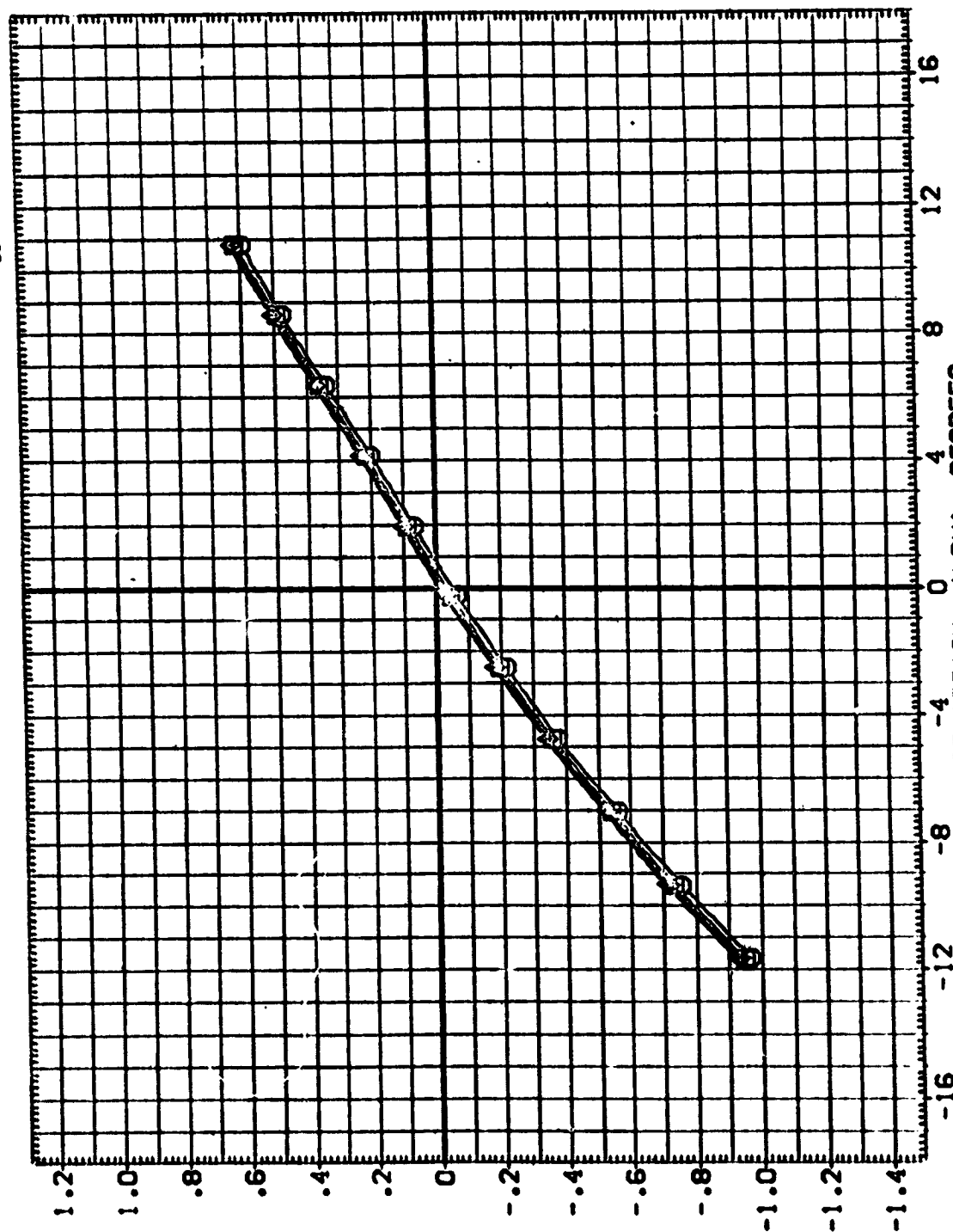


EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(D)MACH = 1.20

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-LB	ELV-LI	ELV-RI	ELV-RB	REFERENCE INFORMATION
[B-CO:5]	[D]	LARC 8-TPT-693 [1A43] COF [GURAT] ON 02/14/57	.000	.000	.000	.000	SREF 2690.0000 SQ.FT.
[B-CO:4]	[X]	LARC 8-TPT-693 [1A43] COF [GURAT] ON 02/14/57	.000	.000	.000	.000	LREF 1290.3000 INCHES
[B-CO:3]	[X]	LARC 8-TPT-693 [1A43] COF [GURAT] ON 02/14/57	.000	.000	.000	.000	BREF 1290.3000 INCHES
			.000	.000	.000	.000	XREF 576.0000 IN. YI
			.000	.000	.000	.000	YREF 400.0000 IN. ZI
			.000	.000	.000	.000	ZREF .0100



EFFECT OF ELEVEN DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

MAC- = 1.20

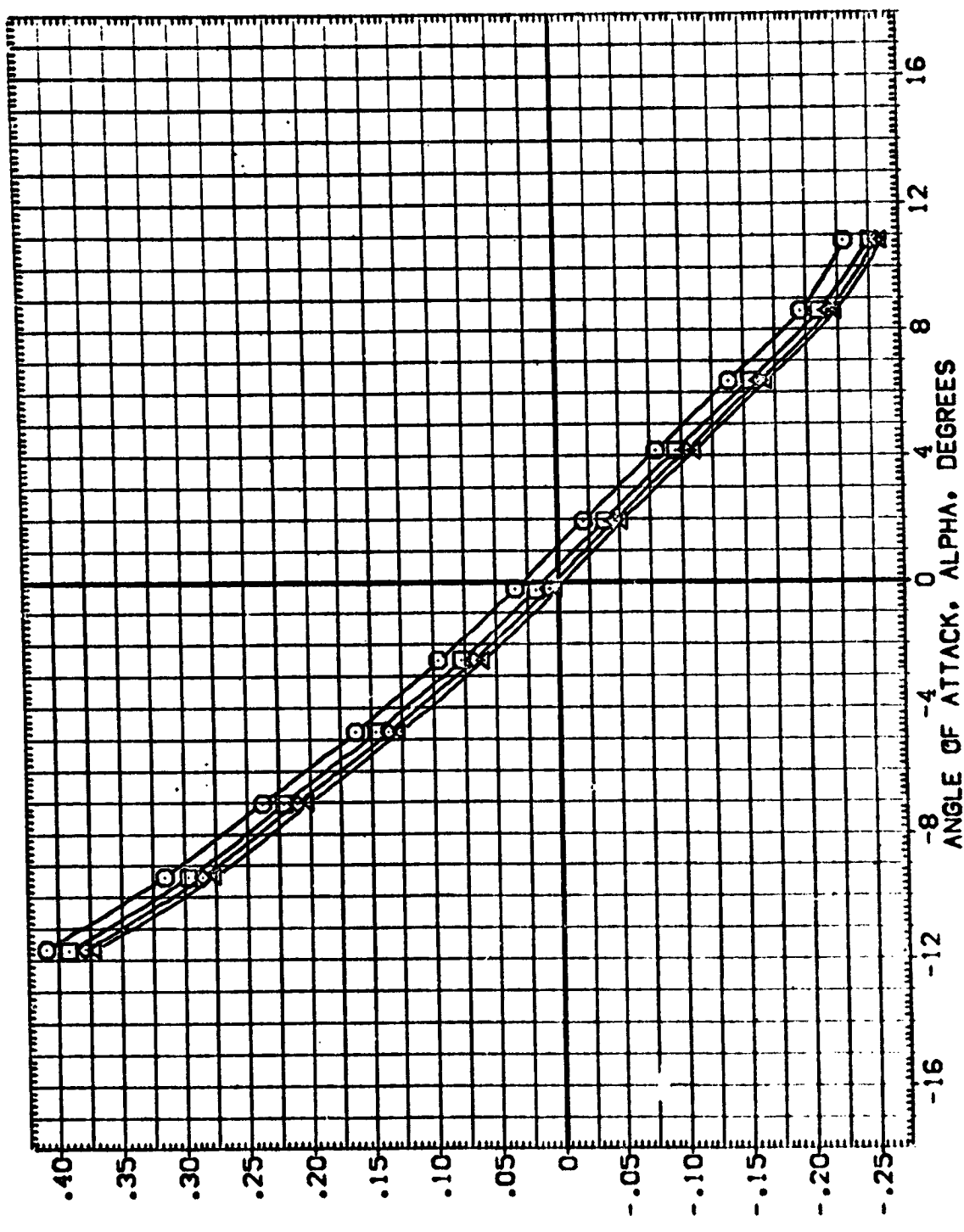
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 [B-C015]
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 [B-C013]

CONF:IGRATION DESCRIPTION
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 -ARC 8-TPT-693 [A43] CONF:IGRATION 02/14/57
 -ARC 8-TPT-693 [A43] CONF:IGRATION 02/14/57
 -ARC 8-TPT-693 [A43] CONF:IGRATION 02/14/57

ELV-LG ELV-LI ELV-RI ELV-RO
 .000 .000 .000 .000
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 4.000 4.000 4.000 4.000
 8.000 8.000 8.000 8.000

REFERENCE INFORMATION
 SREF 353.0000 SG.FT.
 LREF 1230.3000 INCHES
 BREF 1230.3000 INCHES
 XPRP 576.0000 IN. X
 YPRP 400.0000 IN. Y
 ZPRP 400.0000 IN. Z
 SCALE .0100

FOREBODY PITCHING MOMENT COEFFICIENT - CLMF

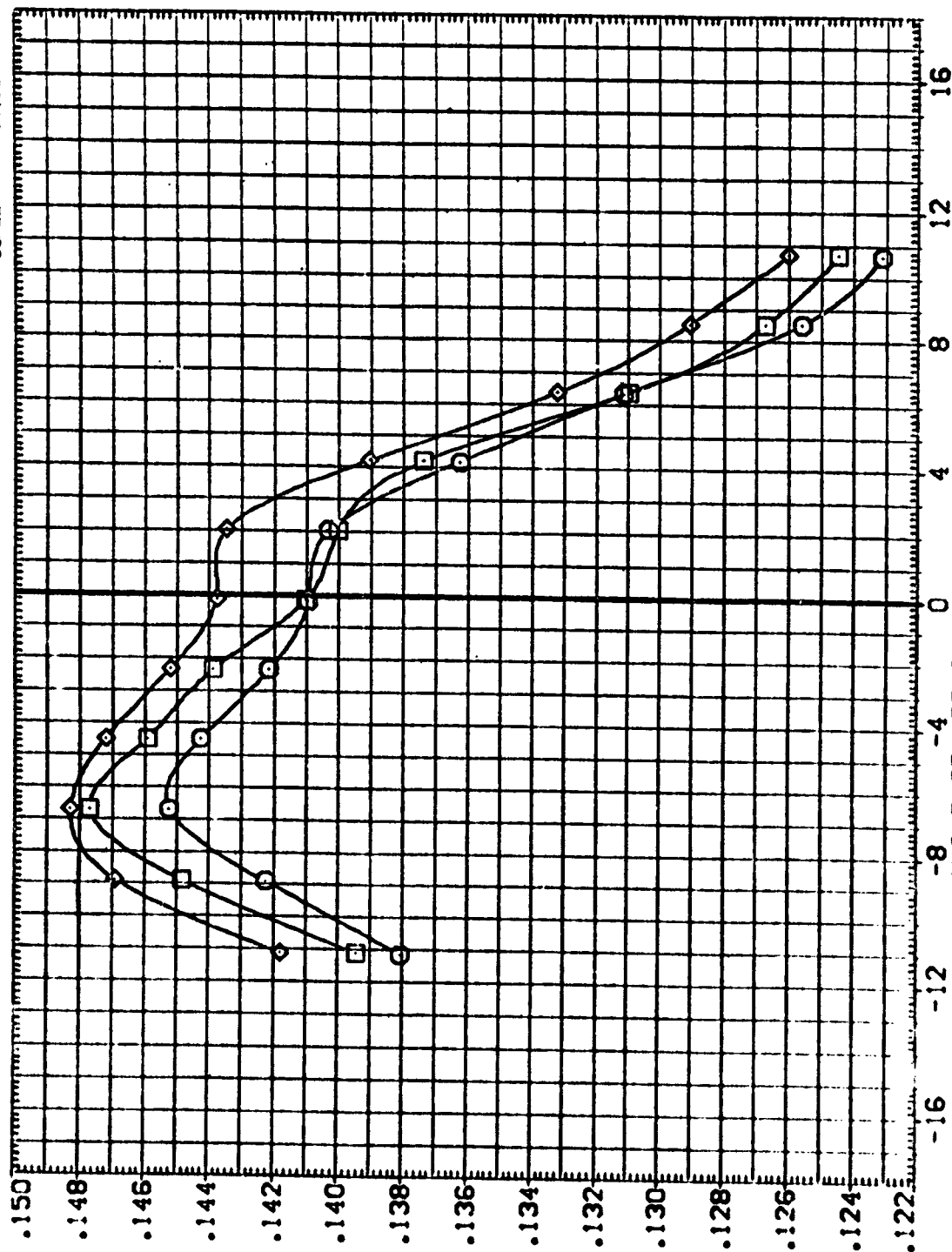


EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(C)MACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-LB	ELV-LI	ELV-RJ	ELV-RO	REFERENCE INFORMATION
19-001(1)	LARC 0-TPT-693 (1A43) C3F IG-RATION 02/14/57	.000	8.000	8.000	.000	SREF 2690.0000 SQ.FT.
20-001(1)	LARC 0-TPT-693 (1A43) C3F IG-RATION 02/14/57	.000	8.000	8.000	4.000	LREF 1290.3000 INCHES
19-001(2)	LARC 0-TPT-693 (1A43) C3F IG-RATION 02/14/57	.000	8.000	8.000	8.000	BREF 1290.3000 INCHES
						XTRP 576.0000 IN. XT
						YTRP 400.0000 IN. YT
						ZTRP 400.0000 IN. ZT
						SCALE .0100



FOREBODY AXIAL FORCE COEFFICIENT, CAF

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EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

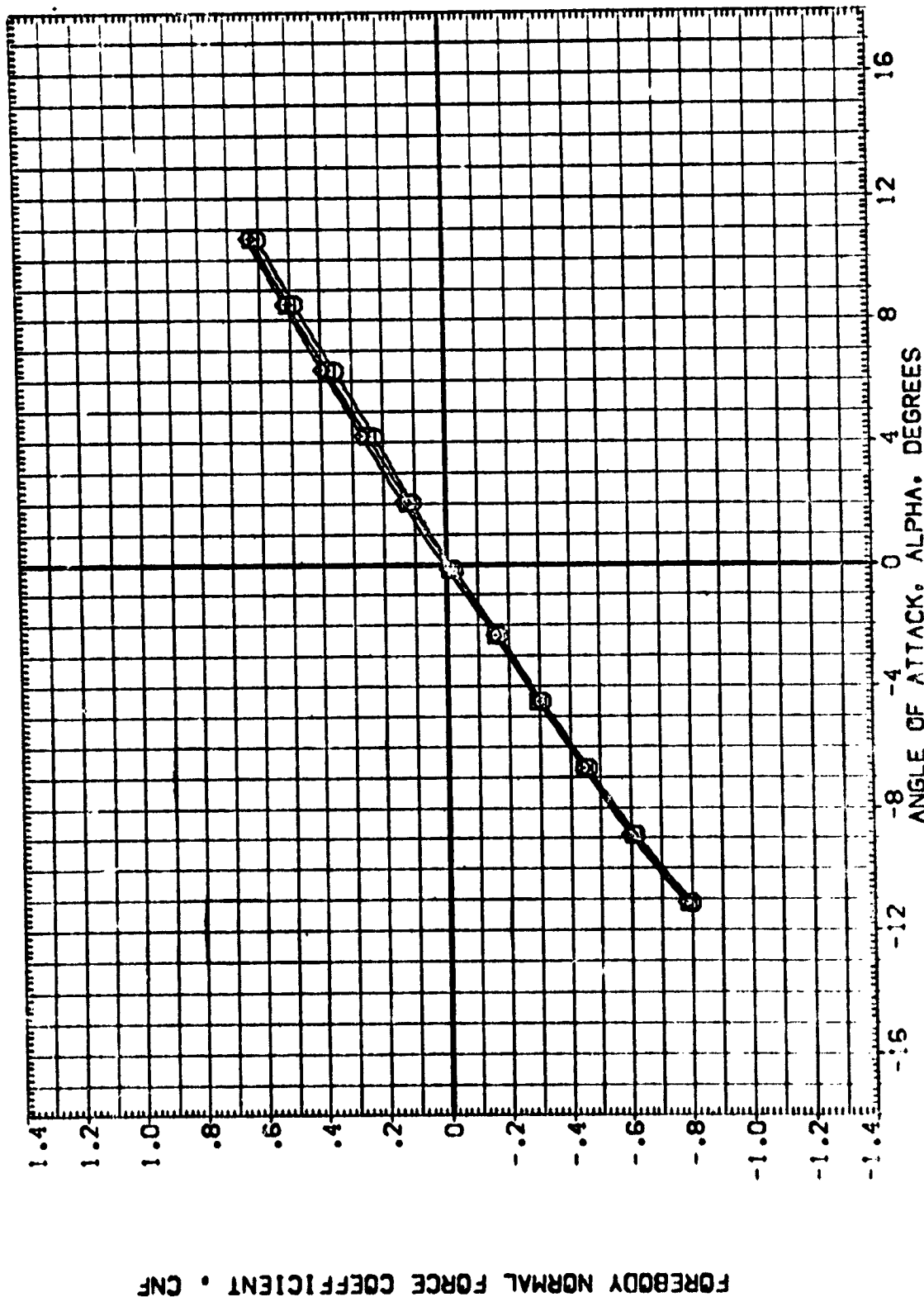
MAC = .90

PAGE 157

DATA SET SY80L CONFIGURATION DESCRIPTION

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4.000	8.000	8.000	4.000	1290.3000	INCHES
8.000	8.000	8.000	8.000	1290.3000	INCHES
				576.0000	IN. YI
				400.0000	IN. ZI
				.0100	SCALE

LAUNCH 8-TPT-693 [143] COF [GURATION] 02/14/57
 LAUNCH 8-TPT-693 [143] COF [GURATION] 02/14/57
 LAUNCH 8-TPT-693 [143] COF [GURATION] 02/14/57



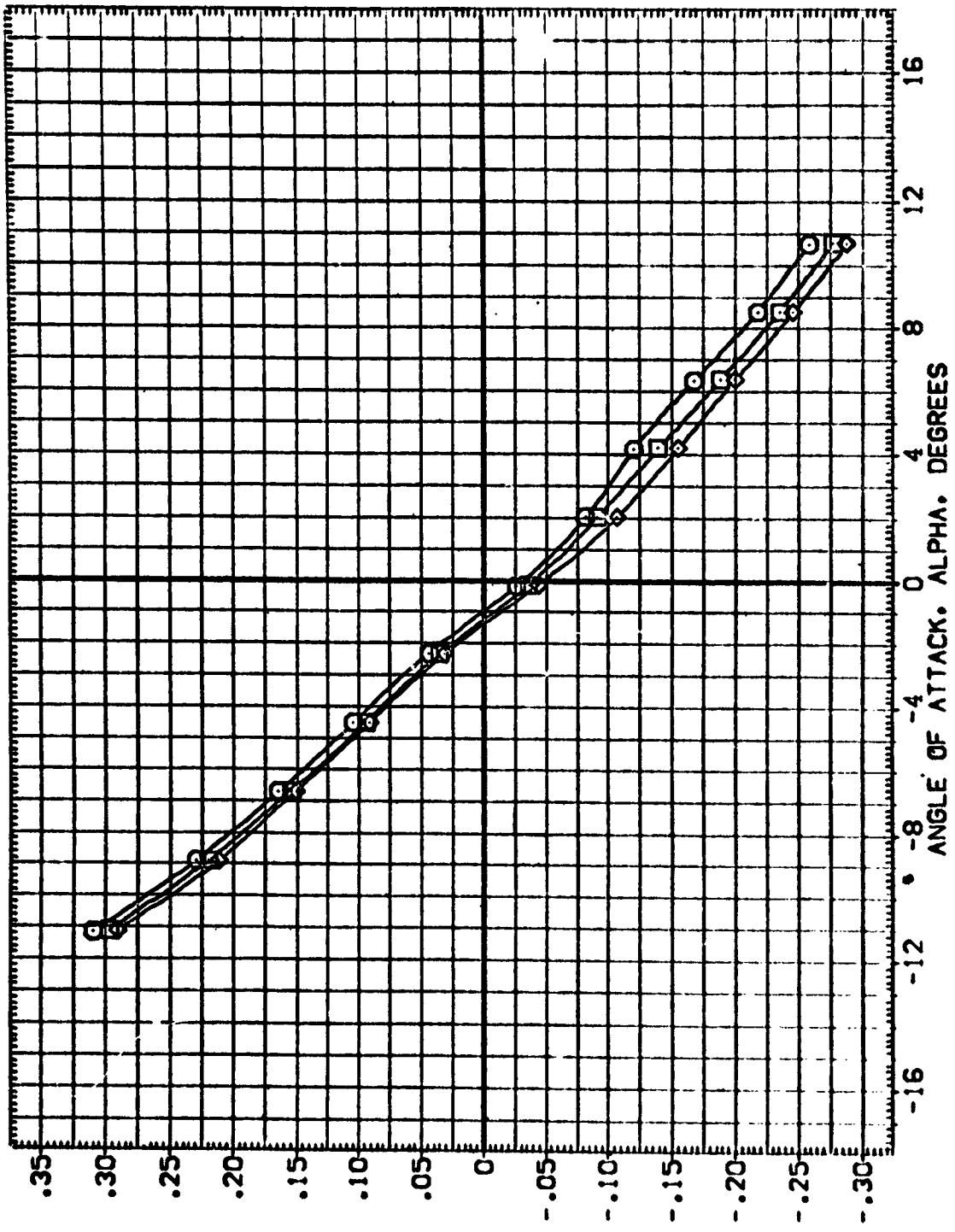
FOREBODY NORMAL FORCE COEFFICIENT, CNF

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EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-LG	ELV-LI	ELV-RI	ELV-RO	REFER	INFORMATION
[B-C010]	LARC 8-TPT-693 [1A13] CONFIGURATION 02/14/57	.000	8.000	8.000	.000	SREF	550.0000
[B-C011]	LARC 8-TPT-693 [1A13] CONFIGURATION 02/14/57	4.000	8.000	8.000	4.000	LREF	30.3000
[B-C012]	LARC 8-TPT-693 [1A13] CONFIGURATION 02/14/57	8.000	8.000	8.000	8.000	BREF	280.3000
						XMRP	976.0000
						YMRP	.0000
						ZMRP	400.0000
						SCALE	.0100

FOREBODY PITCHING MOMENT COEFFICIENT • CLMF



EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

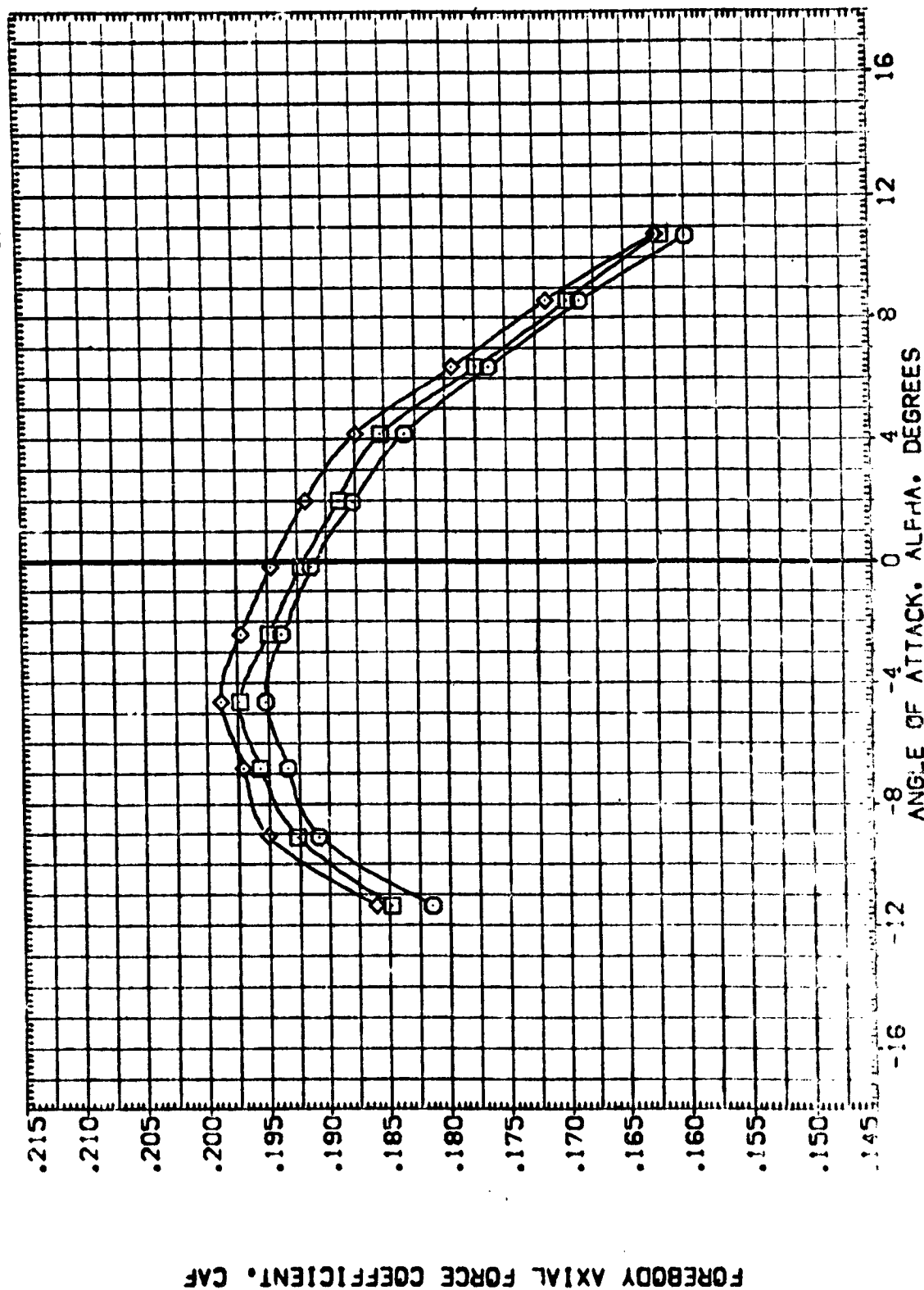
(M)MACH = .90

PAGE 160



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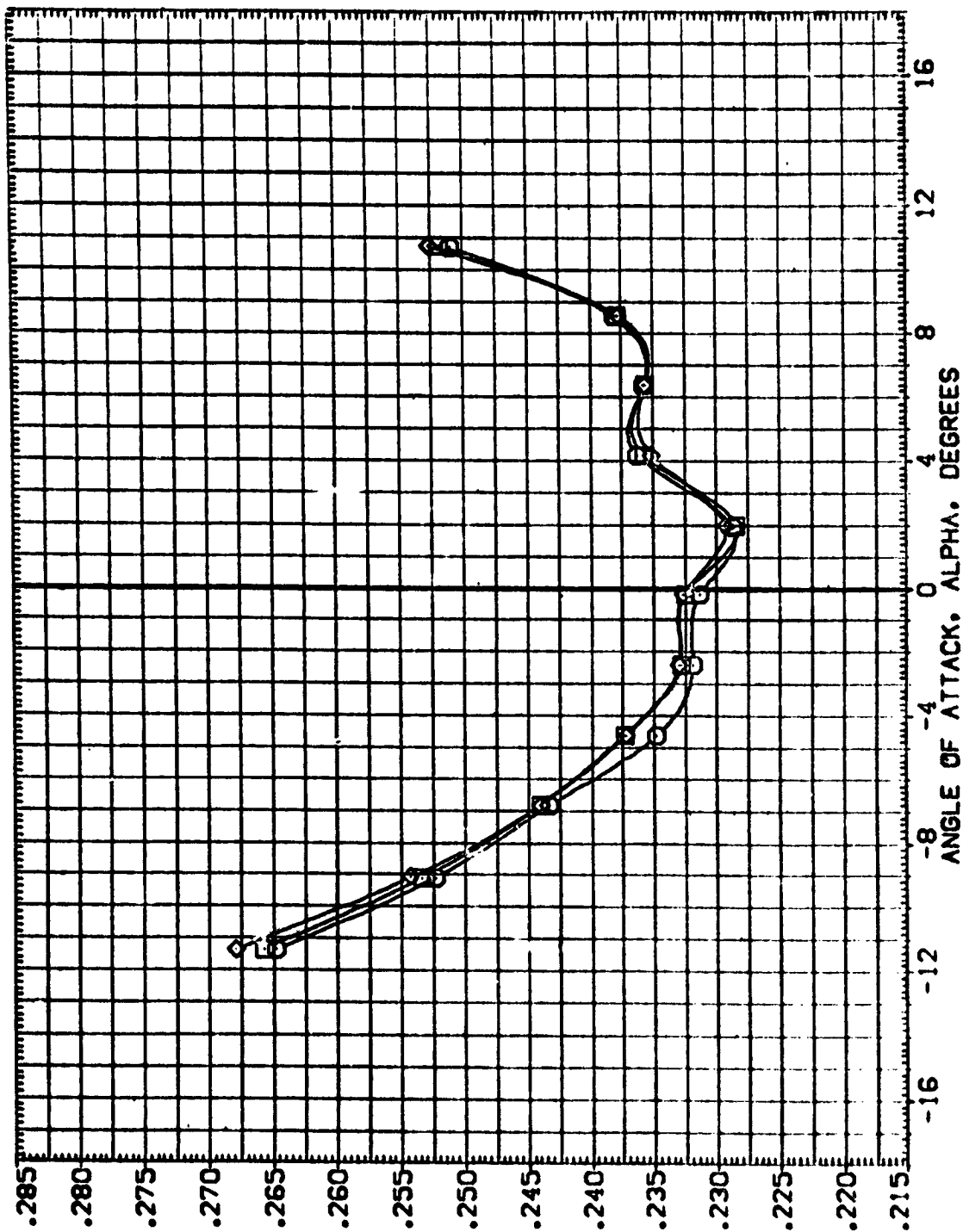
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-LB	ELV-LI	ELV-RI	ELV-RB	REFERENCE INFORMATION
3-00121	LARC 8-TST-893 (1A13) CD+ (GURATION 02/14/57	.000	8.000	8.000	.000	SREF 2690.0000 SQ.FT.
3-00122	LARC 8-TST-893 (1A13) CD+ (GURATION 02/14/57	.000	8.000	8.000	4.000	LREF 1290.3000 INCHES
3-00123	LARC 8-TST-893 (1A13) CD+ (GURATION 02/14/57	.000	8.000	8.000	8.000	BREF 1290.3000 INCHES
						XPRP 976.0000 IN. XT
						YPRP 400.0000 IN. YT
						ZPRP 400.0000 IN. ZT
						SCALE .0100



EFFECT OF ELEV DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

DATA SET SYMBOL: (B-C010) (B-C011) (B-C012)
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 LARC 8-TPT-693 (1A13) CONFIGURATION 02/14/57
 LARC 8-TPT-693 (1A13) CONFIGURATION 02/14/57
 REFERENCE INFORMATION: SREF 2590.0000 50.57 INCHES
 LREF 1250.3000 1250.3000 INCHES
 BREF 1250.3000 1250.3000 INCHES
 XMRP 976.0000 IN. XT
 YMRP 400.0000 IN. YT
 ZMRP 400.0000 IN. ZT
 SCALE .0100

BASE AXIAL FORCE COEFFICIENT, CAB



EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

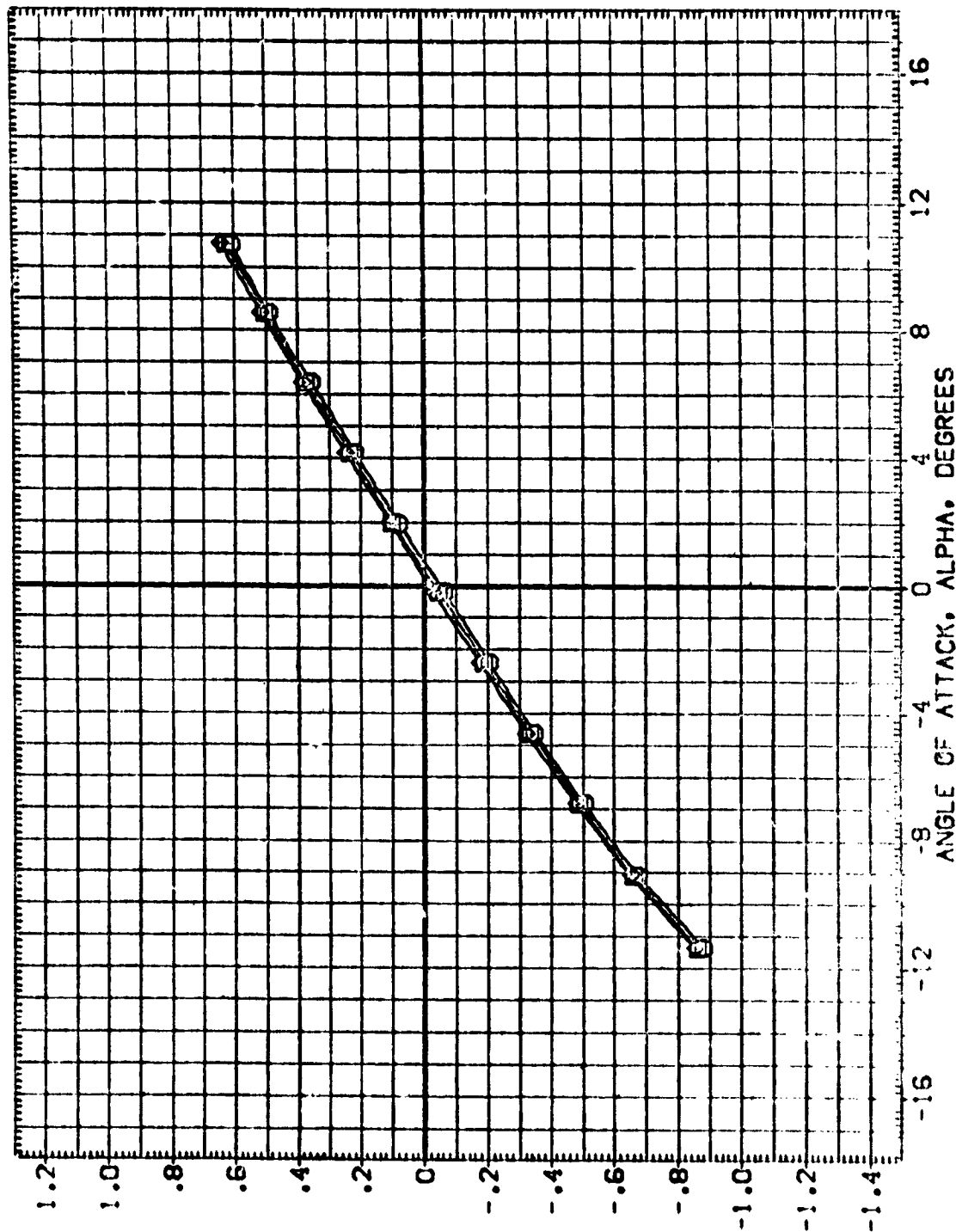
(B)MACH = .98

PAGE 162



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DATA SET	MODEL	CONFIGURATION	DESCRIPTION	ELV-L0	ELV-L1	ELV-R1	ELV-R0	REFERENCE INFORMATION
000001	0	LAUC 8-TP-693	[1413] CDFIGURAT	0.000	8.000	8.000	.000	SREF 2590.0000
000002	0	LAUC 8-TP-693	[1413] CDFIGURAT	4.000	8.000	8.000	4.000	LREF 250.0000
000003	0	LAUC 8-TP-693	[1413] CDFIGURAT	8.000	8.000	8.000	8.000	BREF 250.0000
								YMRP 578.0000
								IN. YI
								IN. ZI
								SCALE .0100



EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

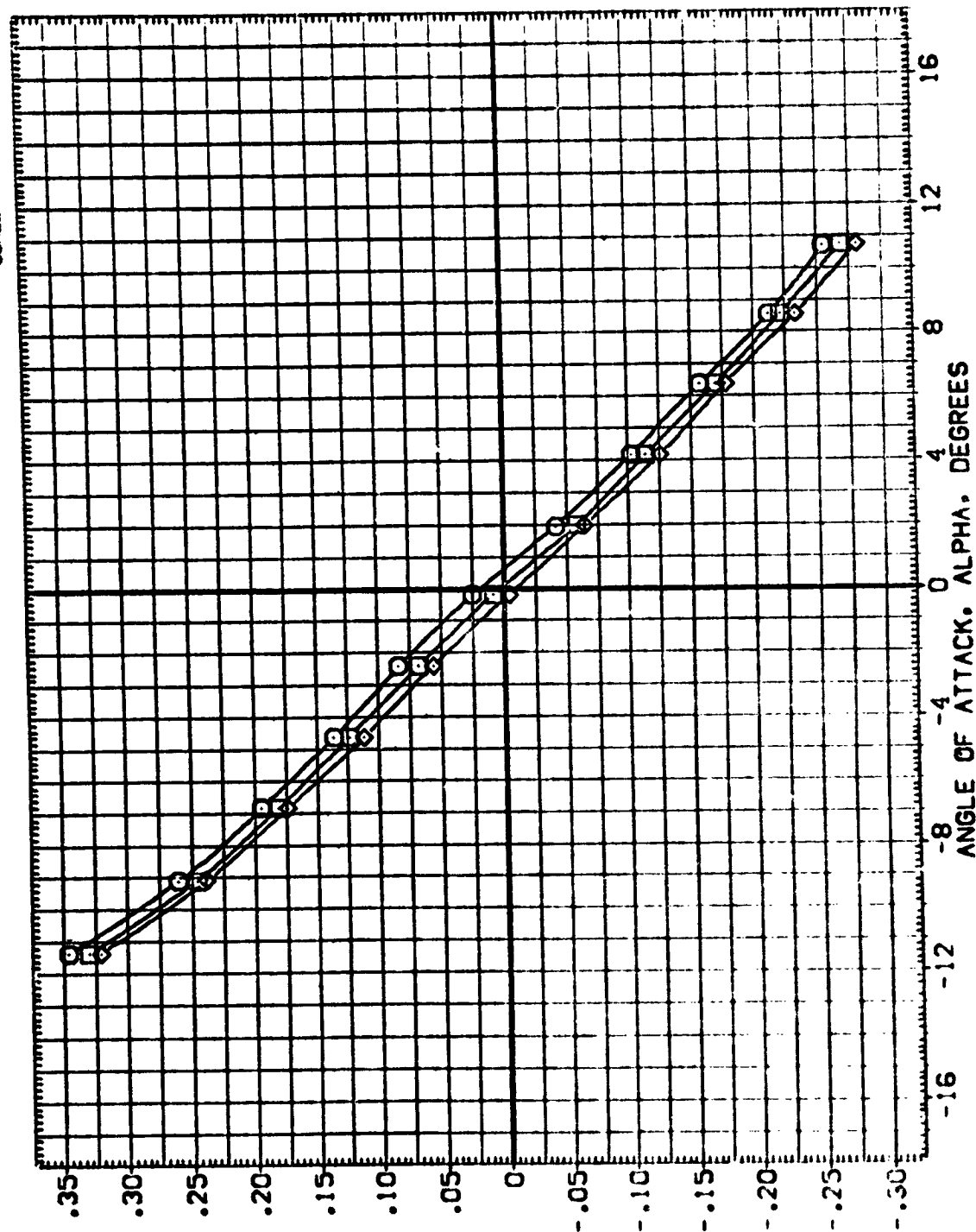
DATA SET SYMBOL
 (B-C010)
 (B-C011)
 (B-C012)

CONFIGURATION DESCRIPTION
 LARC 8-TPT-693 (A43) CONFIGURATION 02/14/57
 LARC 8-TPT-693 (A43) CONFIGURATION 02/14/57
 LARC 8-TPT-693 (A43) CONFIGURATION 02/14/57

ELV-L0 ELV-L1 ELV-R1 ELV-R0
 .000 8.000 8.000 .000
 4.000 8.000 4.000 8.000
 8.000 8.000 8.000 8.000

REFERENCE INFORMATION
 SREF 2652.0000 50.FT.
 LREF 1250.3000 INCHES
 BREF 1250.3000 INCHES
 XMRP 976.0000 IN. XT
 YMRP 400.0000 IN. ZT
 ZMRP 400.0000 IN. ZT
 SCALE .0100

FOREBODY PITCHING MOMENT COEFFICIENT • CLMF



EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(B)MACH = .98

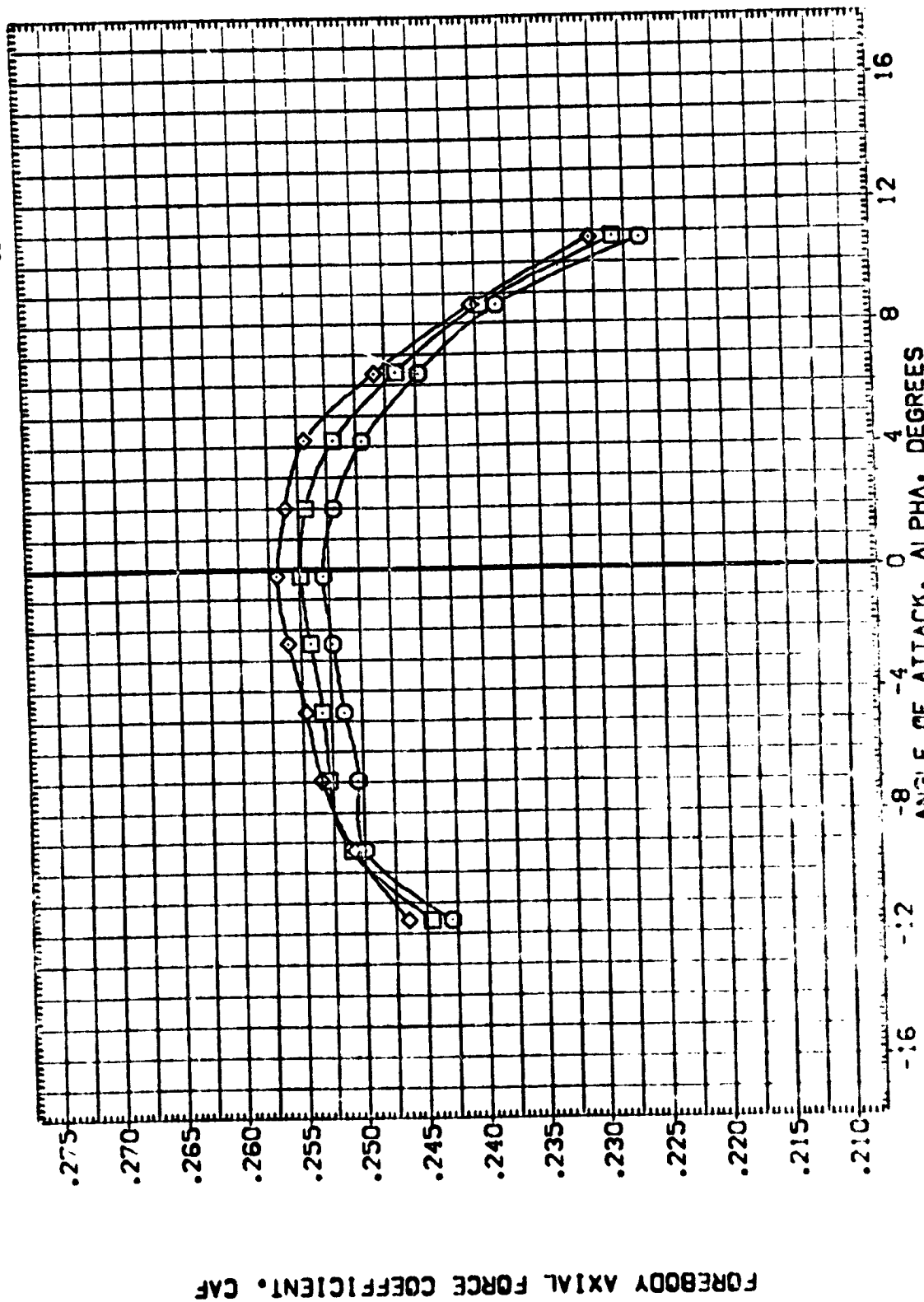


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REFERENCE INFORMATION
SREF 2690.0000 SO.FI
LREF 1250.3000 INCHES
BREF 1250.3000 INCHES
XMRP 576.0000 IN. XT
YMRP 400.0000 IN. YT
ZMRP 400.0000 IN. ZT
SCALE .0100

ELV-L0 ELV-L1 ELV-R1 ELV-R0
.000 8.000 8.000 .000
4.000 8.000 4.000
8.000 8.000 8.000

DATA SET SYMBOL DESCRIPTION
LARC 8-137-693 (143) C35 IGURATION 02/14/57
LARC 8-137-693 (143) C35 IGURATION 02/14/57
LARC 8-137-693 (143) C35 IGURATION 02/14/57





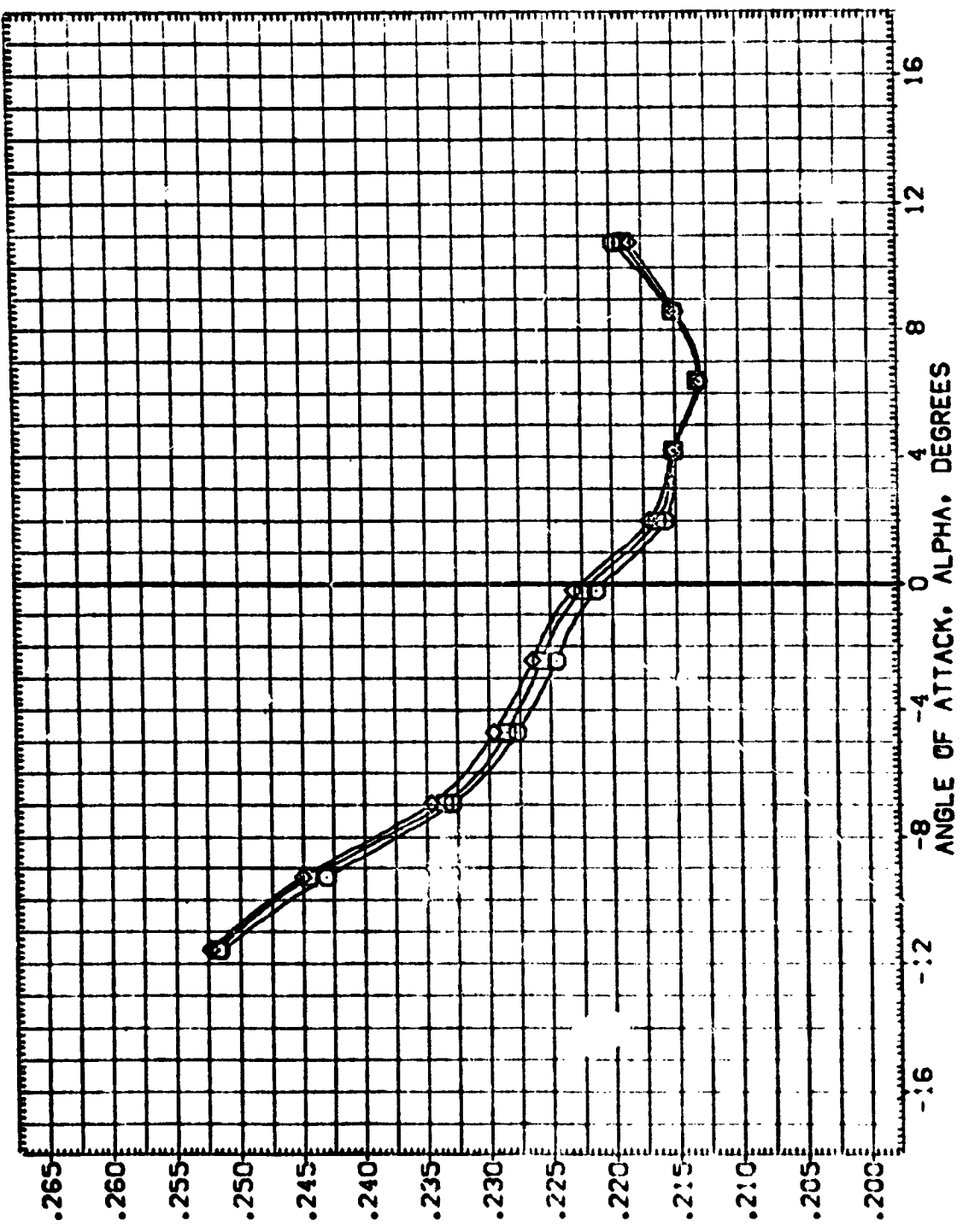
DATA SET SYMBOL: Q
{B-0010}
{B-0011}
{B-0012}

CONF: GURATION DESCRIPTION
LARC 8-TPT-693 {A43} CONF: GURATION 02/14/57
LARC 8-TPT-693 {A43} CONF: GURATION 02/14/57
LARC 8-TPT-693 {A43} CONF: GURATION 02/14/57

ELV-L0 ELV-L1 ELV-R1 ELV-R0 REFERENCE INFORMATION
0.000 8.000 8.000 8.000
4.000 8.000 8.000 8.000
8.000 8.000 8.000 8.000

SREF 1290.0000 SQ.FT.
LREF 1290.0000 INCHES
BREF 1290.0000 INCHES
XTRP 976.0000 IN. XT
YTRP 400.0000 IN. YT
ZTRP 400.0000 IN. ZT
SCALE .0100

BASE AXIAL FORCE COEFFICIENT, CAB

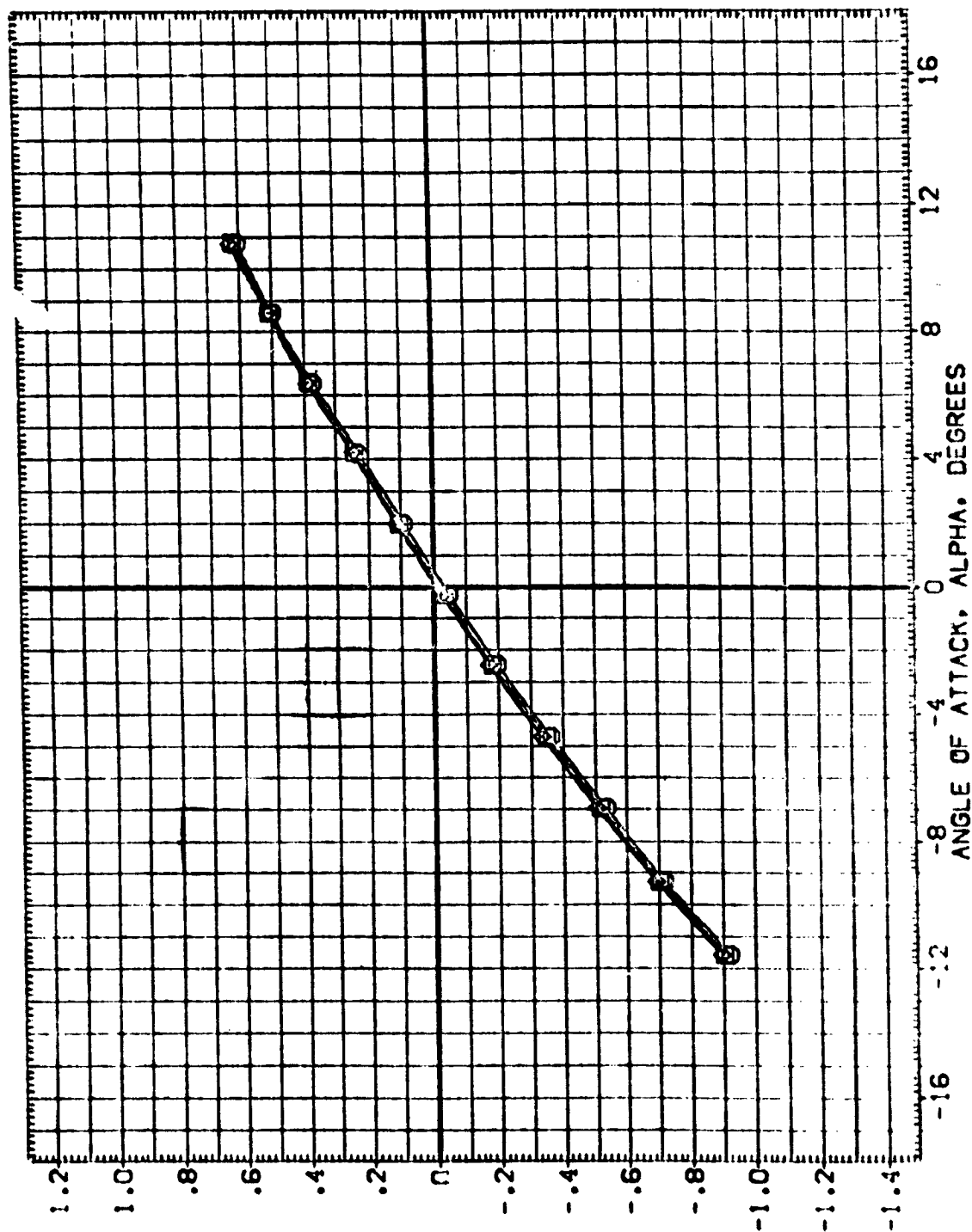


EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(C)MACH = 1.13

DATA SET SYMBOL: 02/14/57
 CONFIGURATION DESCRIPTION: 02/14/57
 LAUNCH 8-15-63 (143) 02/14/57
 LAUNCH 8-15-63 (143) 02/14/57
 LAUNCH 8-15-63 (143) 02/14/57

ELV-L0	ELV-L1	ELV-R1	ELV-R0	REFERENCE INFORMATION
0.000	8.000	8.000	0.000	SREF 2690.0000
4.000	8.000	8.000	4.000	LREF 1290.3000
8.000	8.000	8.000	8.000	BREF 1290.3000
				XMRP 976.0000
				YMRP 400.0000
				ZMRP 400.0000
				SCALE .0100



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EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

WINDMACH = 1.13

PAGE 167

DATA SET SYMBOL

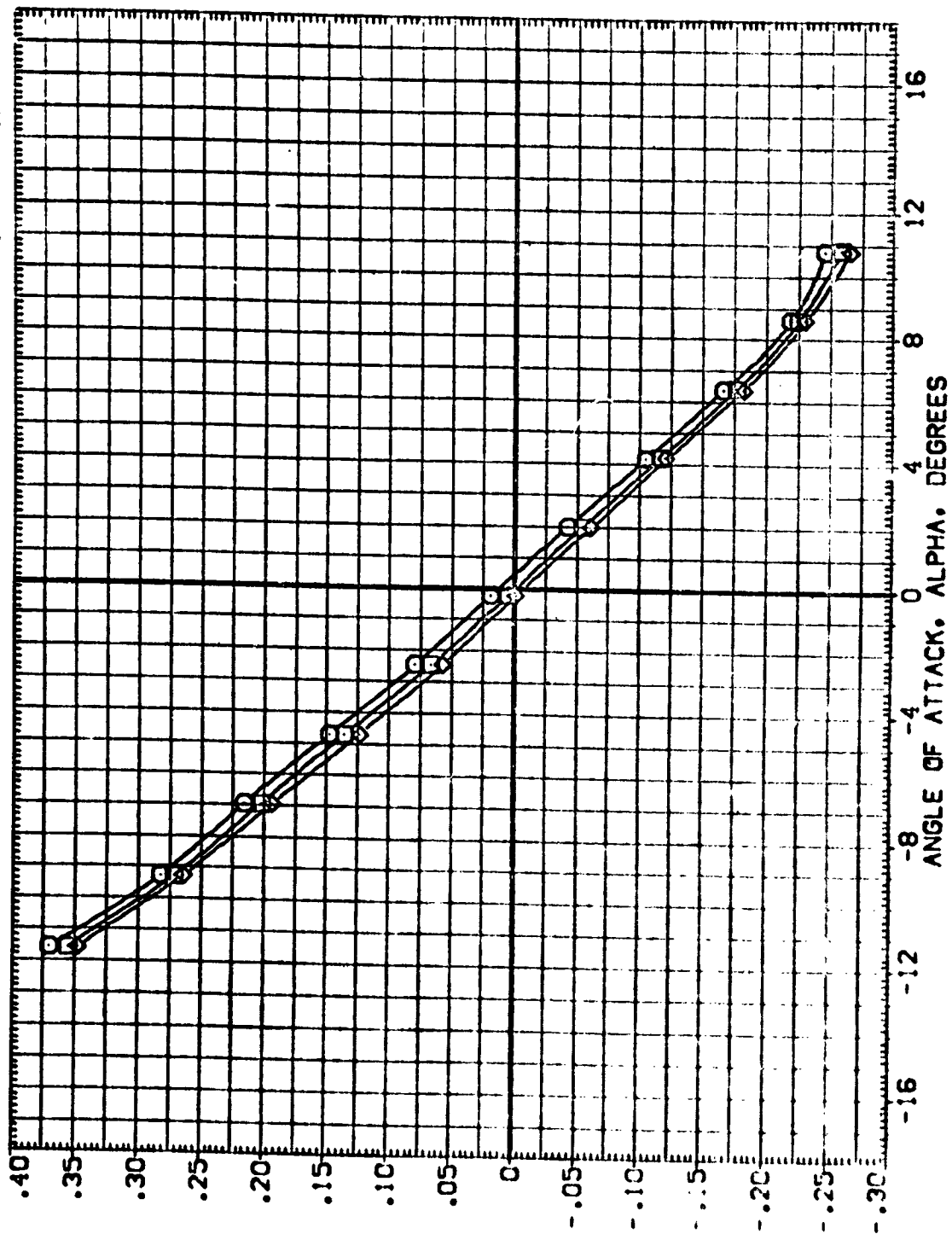
[B-C010] LARC 8-TPT-693 ([A43]) COF [GLRAT] 02/14/57
 [B-C011] LARC 8-TPT-693 ([A43]) COF [GLRAT] 02/14/57
 [B-C012] LARC 8-TPT-693 ([A43]) COF [GLRAT] 02/14/57

ELV-L0 ELV-L1 ELV-R1 ELV-R0

.000 8.000 8.000 8.000
 4.000 8.000 8.000 8.000
 8.000 8.000 8.000 8.000

REFERENCE INFORMATION

SREF 2590.0000 SQ.FT.
 LREF 1290.3000 INCHES
 BREF 1290.3000 INCHES
 XMRP 576.0000 IN. XT
 YMRP 400.0000 IN. YT
 ZMRP 400.0000 IN. ZT
 SCALE .0100

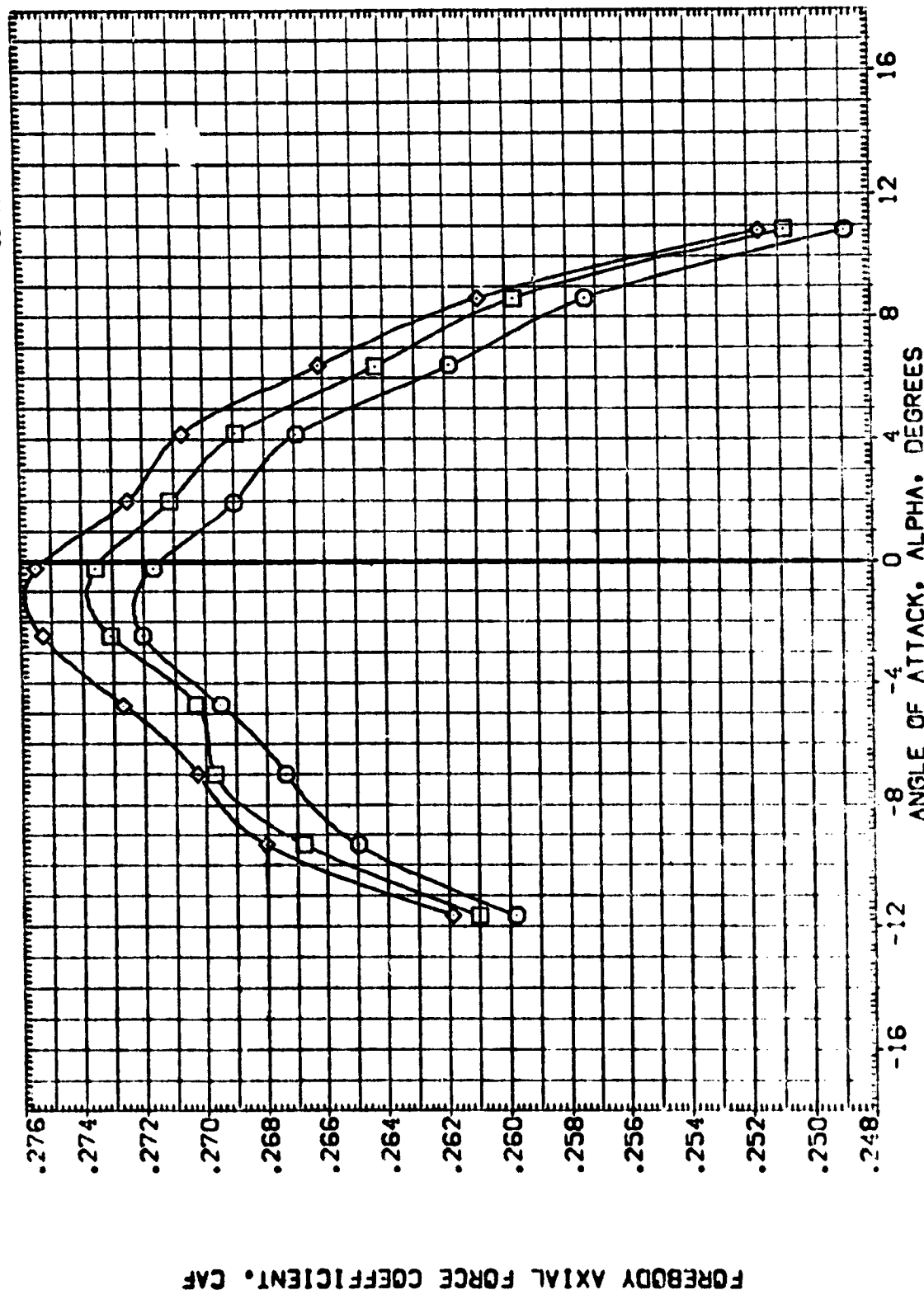


EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(C)MACH = 1.13

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-L0	ELV-L1	ELV-R1	ELV-R0	REFERENCE INFORMATION
1-001-1	LARC 8-101-693 (1A13) CONFIGURATION 02/14/57	0.000	8.000	8.000	0.000	2690.0000 SQ.FT.
2-001-1	LARC 8-101-693 (1A13) CONFIGURATION 02/14/57	4.000	8.000	8.000	4.000	1290.3000 INCHES
3-001-1	LARC 8-101-693 (1A13) CONFIGURATION 02/14/57	8.000	8.000	8.000	8.000	1290.3000 INCHES
						976.0000 IN. XT
						400.0000 IN. ZT
						SCALE .0100



EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

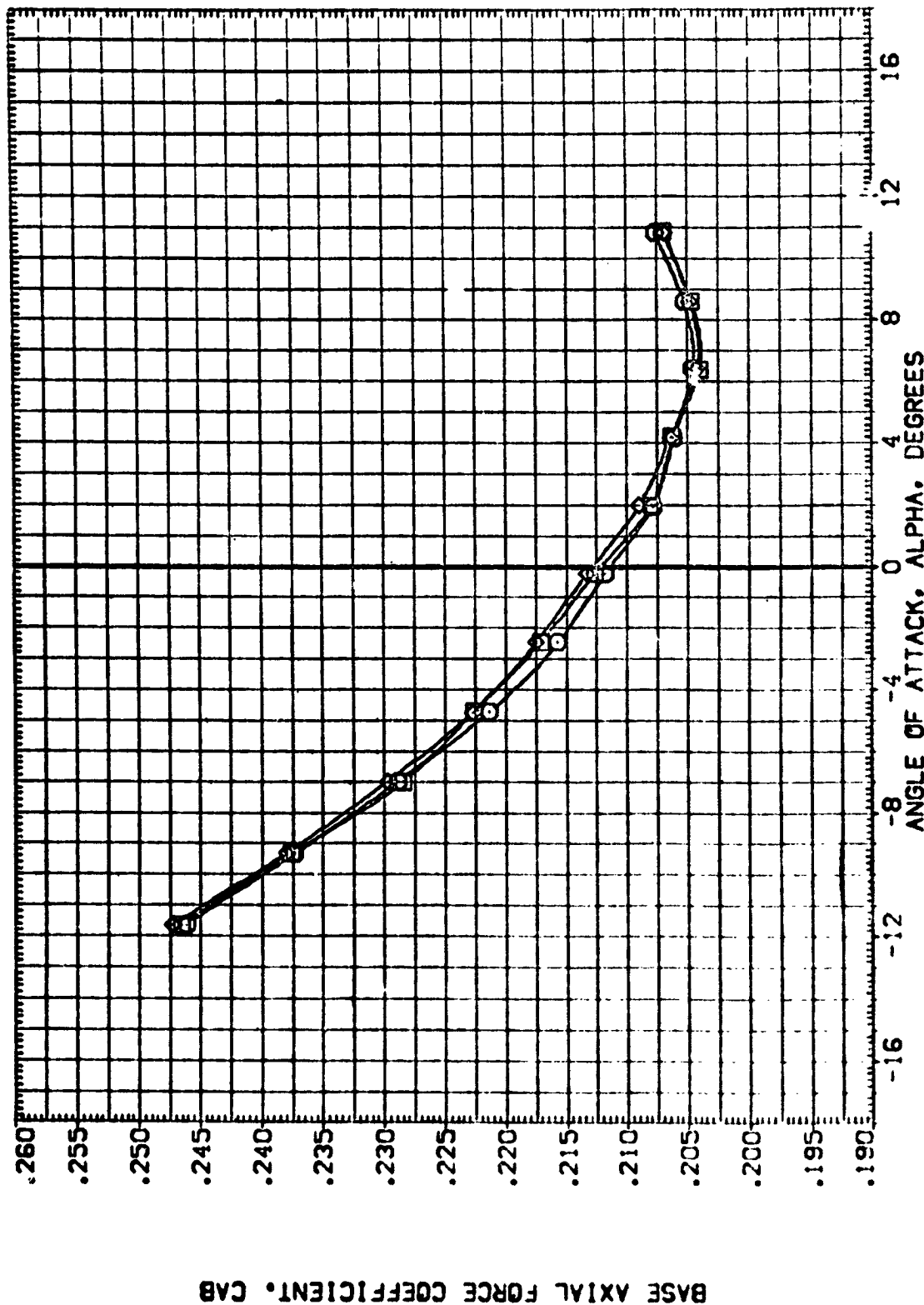
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CONFIGURATION DESCRIPTION: LARC 8-TPT-693 (A43) LARC 8-TPT-693 (A43) LARC 8-TPT-693 (A43)

DATE: 02/14/57 02/14/57 02/14/57

REFERENCE INFORMATION: SREF 2600.0000 SQ.FT. LREF 1290.3000 INCHES BREF 1290.3000 INCHES XTRP 976.0000 IN. Y1 YTRP 400.0000 IN. Z1 SCALE .0100



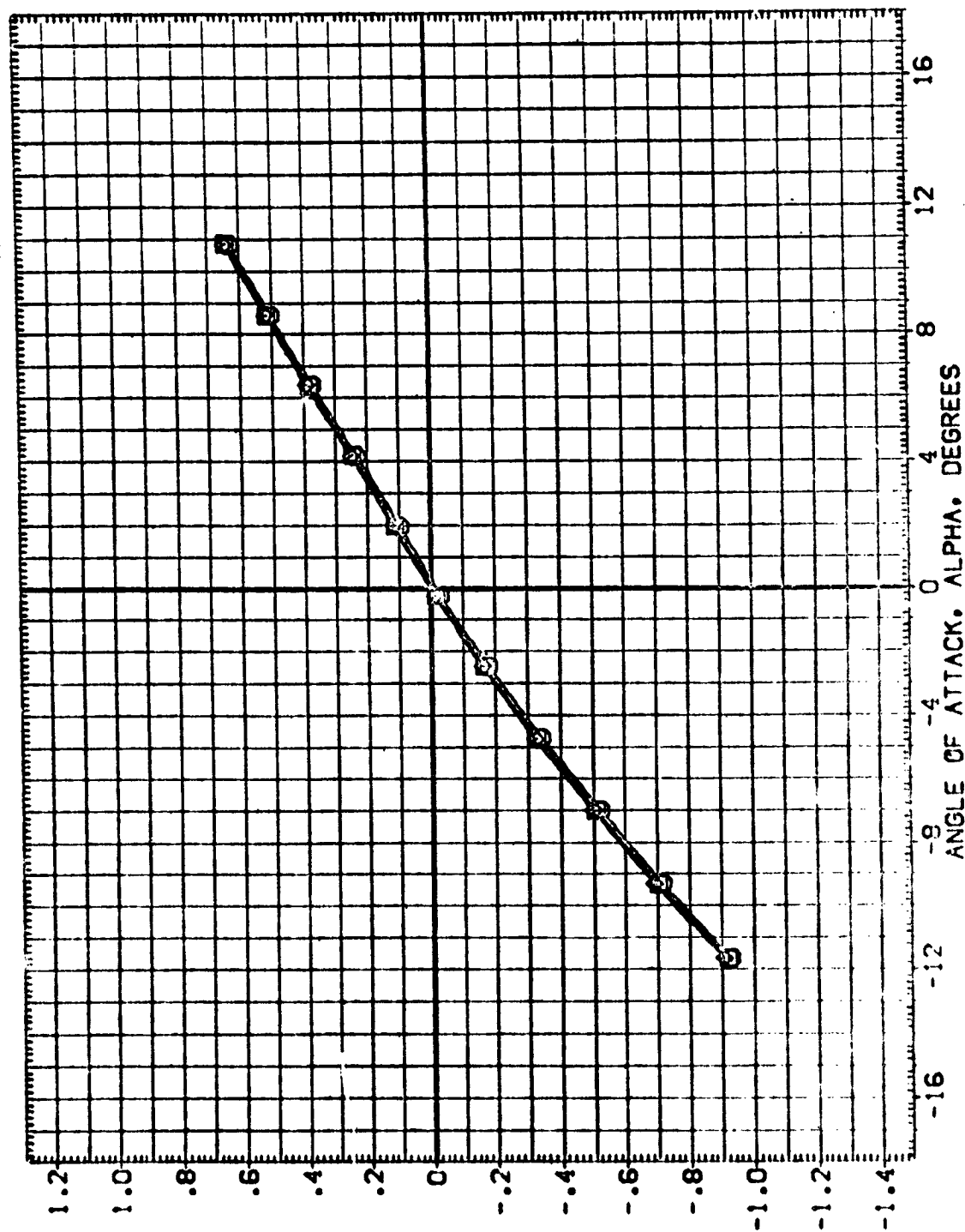
EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(C)MACH = 1.20

PAGE 170

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ELV-LG	ELV-LI	ELV-RI	ELV-RO	REFERENCE INFORMATION
[B-C3.1]	LARC 8-10-693 [A43] CONF. ELUTION 02/14/57	.000	8.000	8.000	.000	SREF 2690.0000 SQ.FT.
[B-C3.1]	LARC 8-10-693 [A43] CONF. ELUTION 02/14/57	4.000	8.000	8.000	4.000	LREF 1290.3000 INCHES
[B-C3.1]	LARC 8-10-693 [A43] CONF. ELUTION 02/14/57	8.000	8.000	8.000	8.000	BREF 1290.3000 INCHES
						XREF 976.0000 IN. YI
						YREF 400.0000 IN. ZI
						ZREF 400.0000 IN. ZI
						SCALE .0100

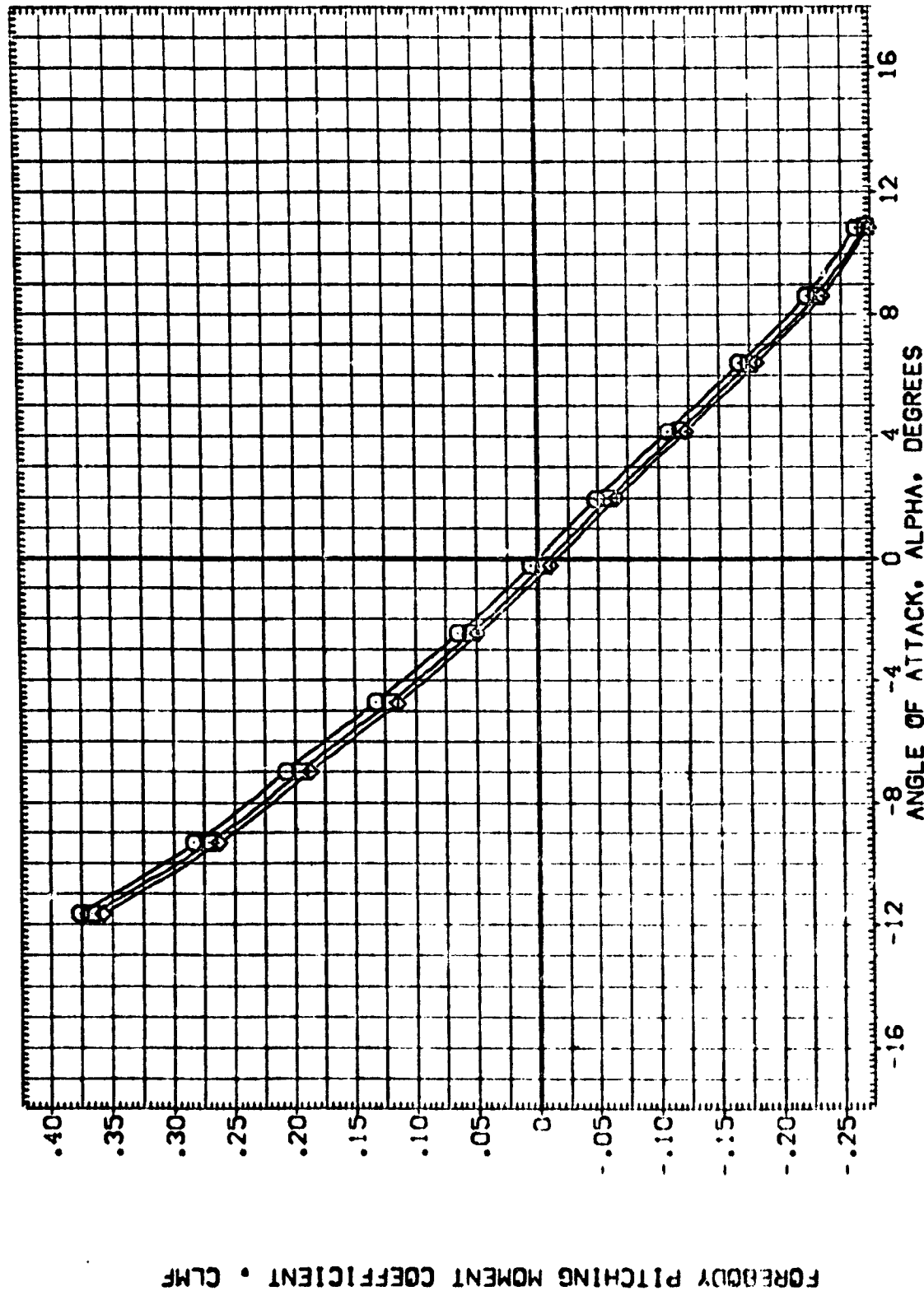


EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

COMACH = 1.20

DATA SET SYMBOL CONFIGURATION DESCRIPTION DATE REFERENCE INFORMATION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	DATE	REFERENCE INFORMATION
[B-C010]	LARC 8-TPT-693 [A43] CONF [GURATION]	02/14/57	50 FT
[B-C011]	LARC 8-TPT-693 [A43] CONF [GURATION]	02/14/57	INCHES
[B-C012]	LARC 8-TPT-693 [A43] CONF [GURATION]	02/14/57	INCHES
			IN. XT
			IN. YT
			IN. ZT
			400.0000
			SCALE
			.0100



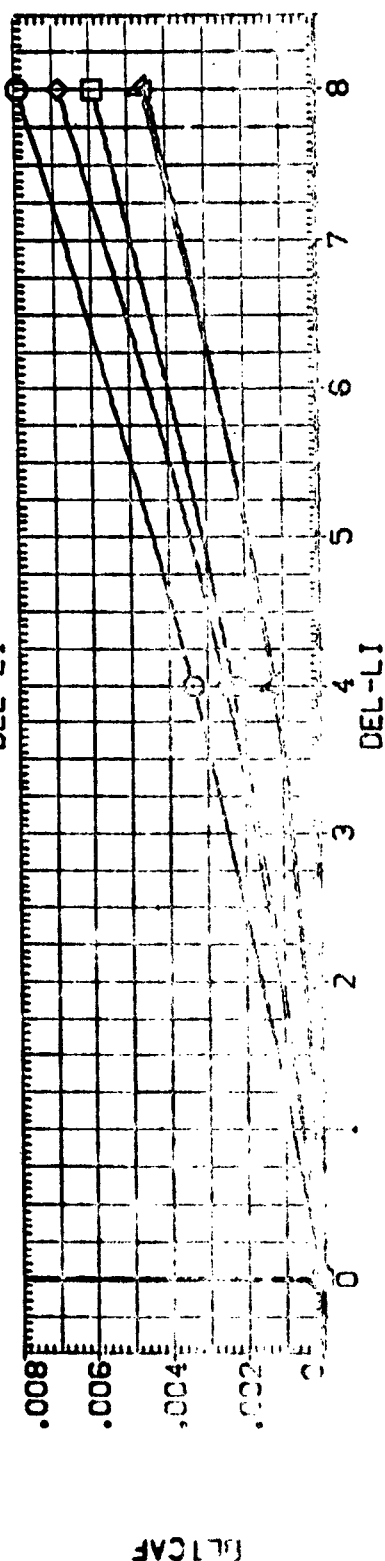
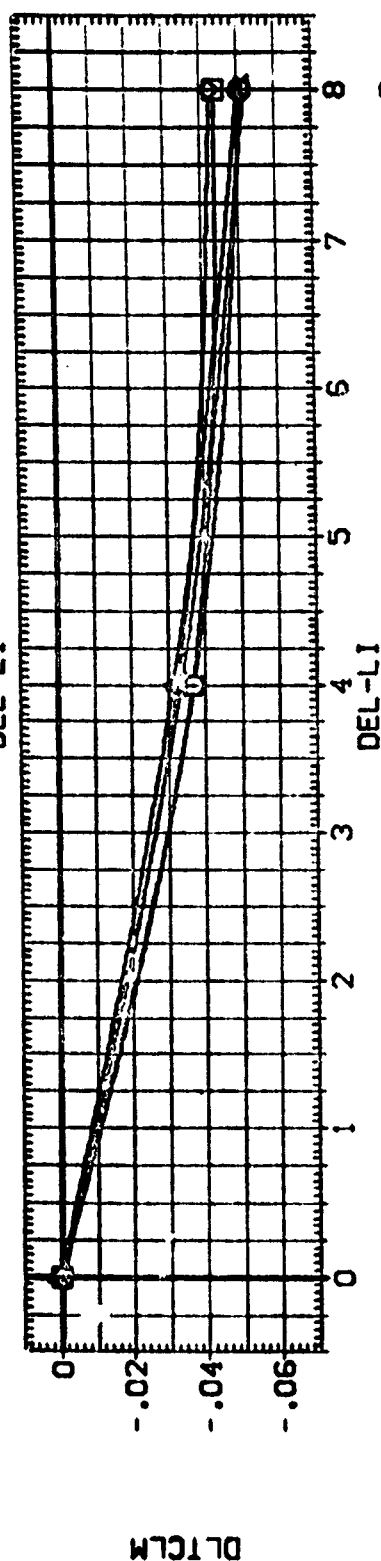
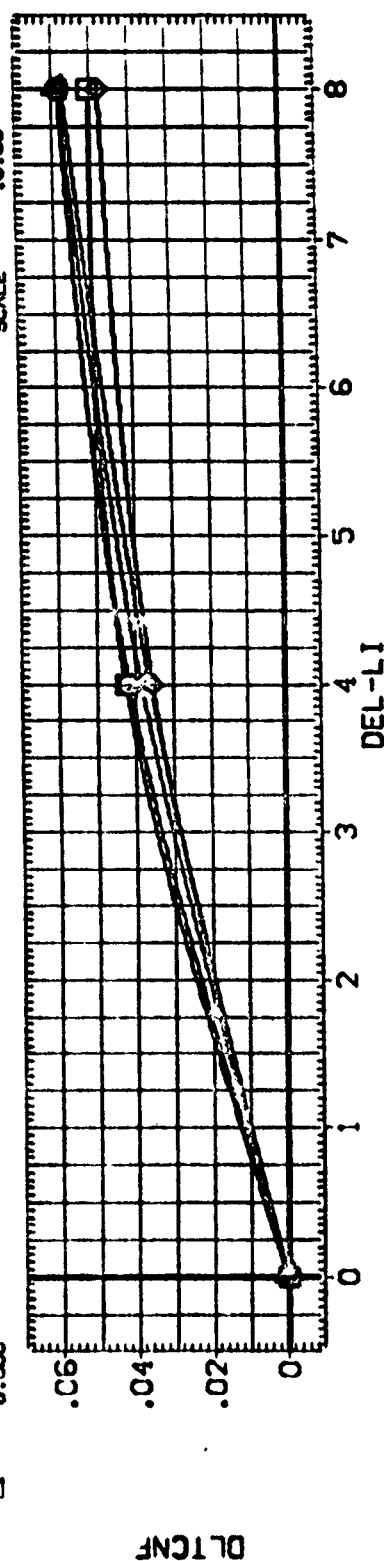
EFFECT OF ELEVON DEFLECTIONS ON LAUNCH VEHICLE LONGITUDINAL CHARACTERISTICS

(C)MACH = 1.20

(9003HQ)

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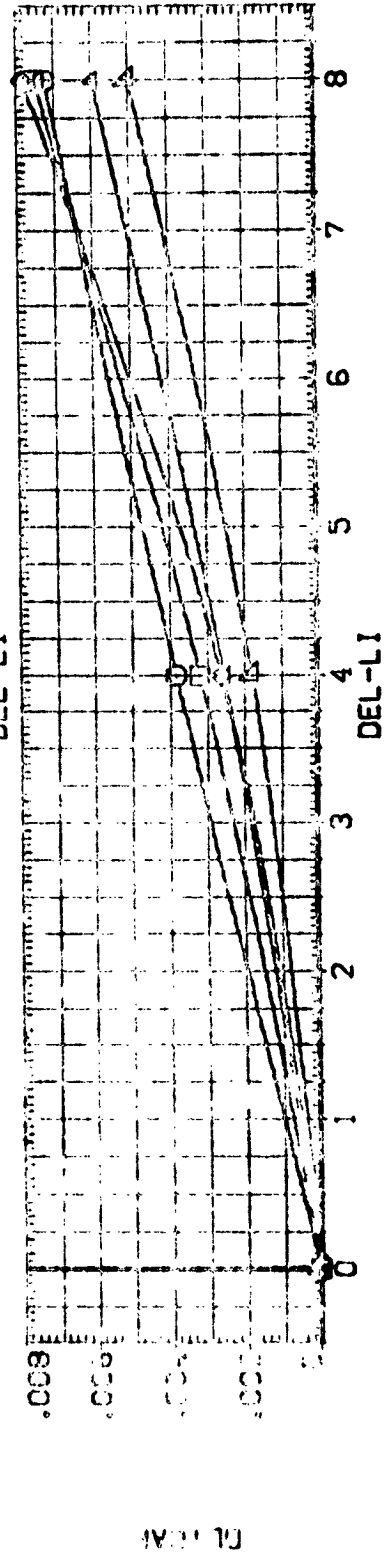
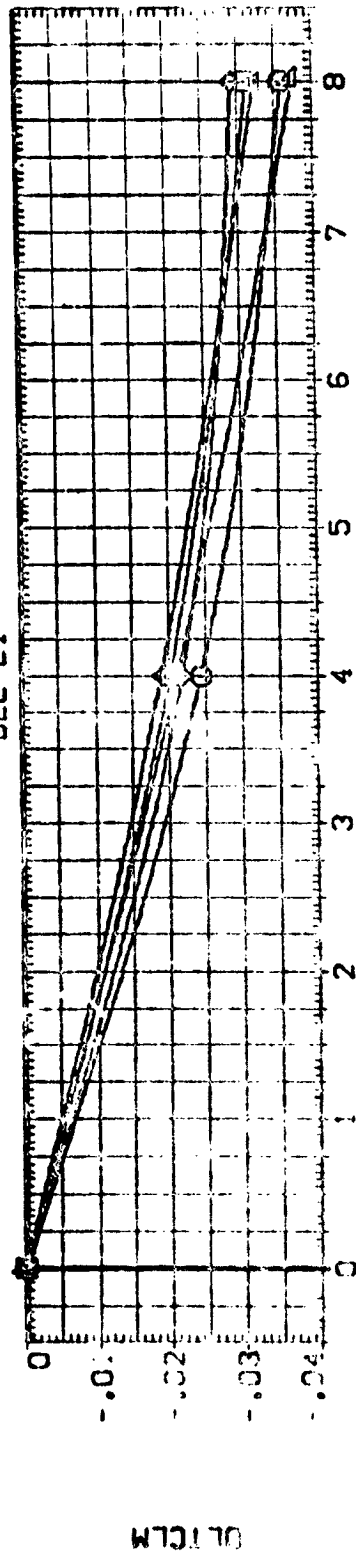
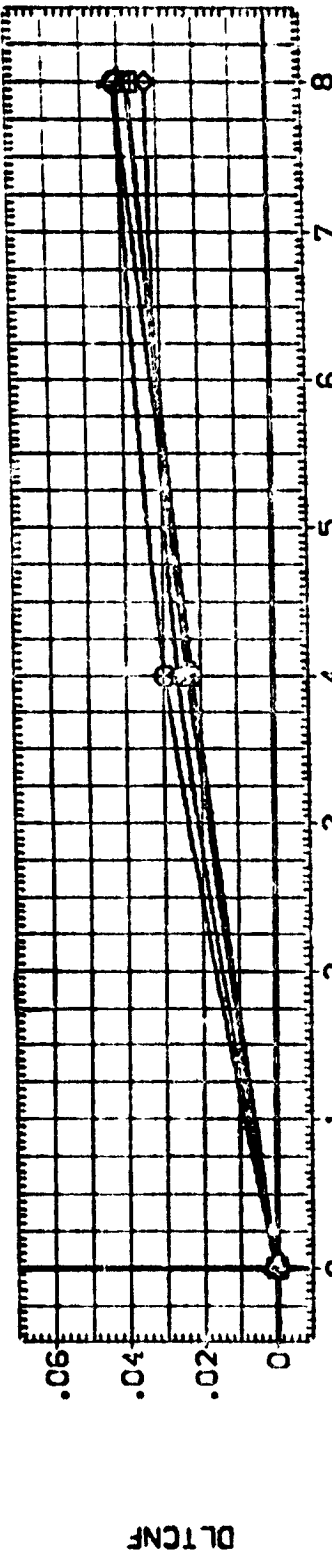
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DEL-RG	.000	D-C006	D-C015	BREF	1250.3000
.000	.000	D-C010		YMRP	576.0000
RUDDER	.000			YMRP	.0000
BOFLAP	.000			ZMRP	400.0000
				SCALE	.0100



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LARC 8-TPT-693 (JA43) CONFIGURATION 02/T4/S7 (DH0006)

SYMBOL		PARAMETRIC VALUES		DATA SOURCE		REFERENCE INFORMATION	
ALPHA	MACH	DEL-L0	.000	DATASET	DEL-L1	SREF	50. FT.
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-4.000	DEL-R0	BETA	.000	D-C006	4.000	BREF	INC-ES
.000	RUDDER	SPOBRK	.000	D-C010	8.000	YMRP	N. YI
4.000	BOFLAP		.000			ZMRP	N. YI
8.000						SCALE	.0100



440101

ALPHA
-0.000
-4.000
.000
4.000
0.000

WACH
DEL-RO
RIDER
BOFLAP

PARAMET
1.130
.000
.000
.000

VALUES
DEL-LO
BETA
SPOBRY

888

011
806
551

1-88
SOURCE

ASSET 015

000
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1290.3
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REF
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REF
MRP
MRP
MRP
SCALE

DATASET

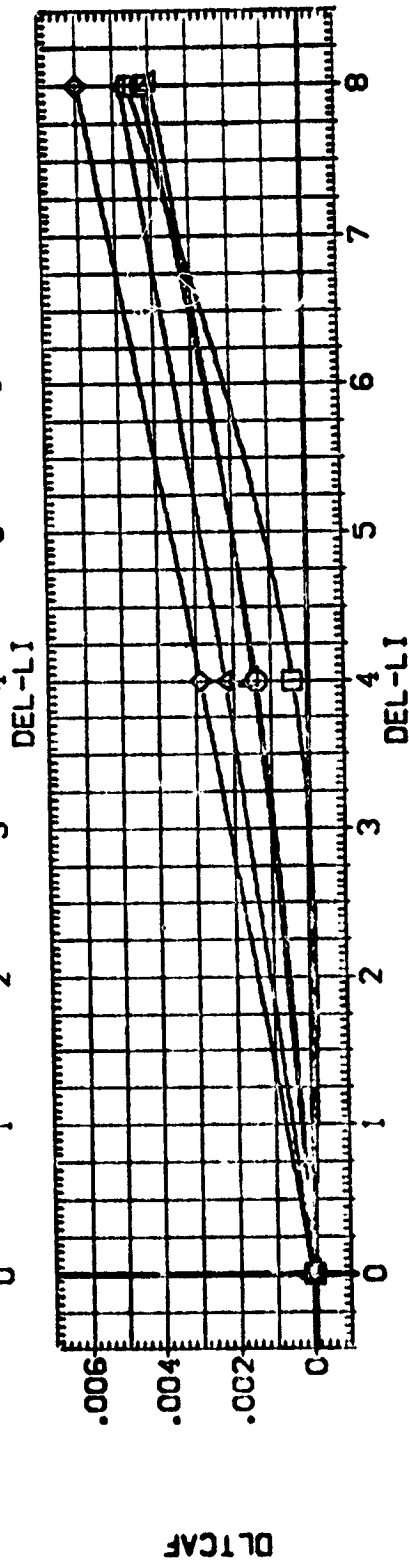
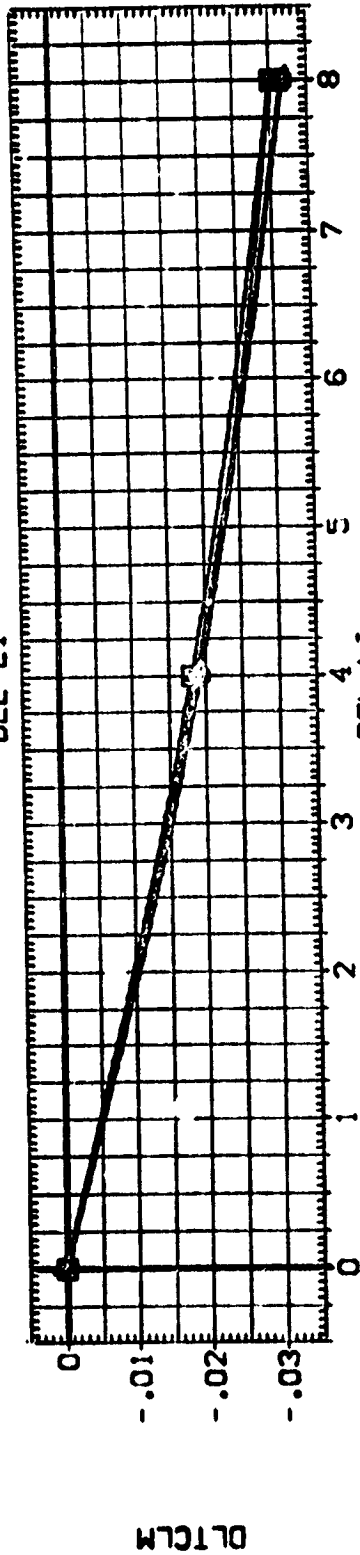
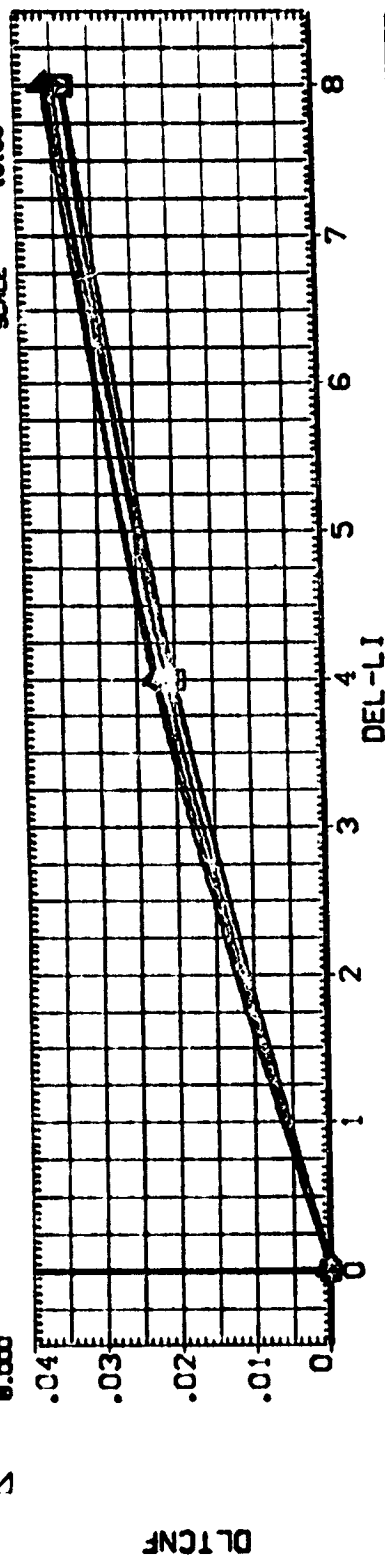
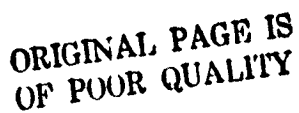
DATE DEL 8

DATA
D-COOR
D-COIC

888

DATE
07-1-77
SMT

DELTA
BELT
SPO



SYMBOL
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 4
 1
 0
 0
 0
 0

ALPHA
 -8.000
 -4.000
 .000
 4.000
 8.000

MACH
 DEL-RO
 RUDDER
 BOFLAP

PARAMETRIC VALUES
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 .000 SPOBRK
 .000

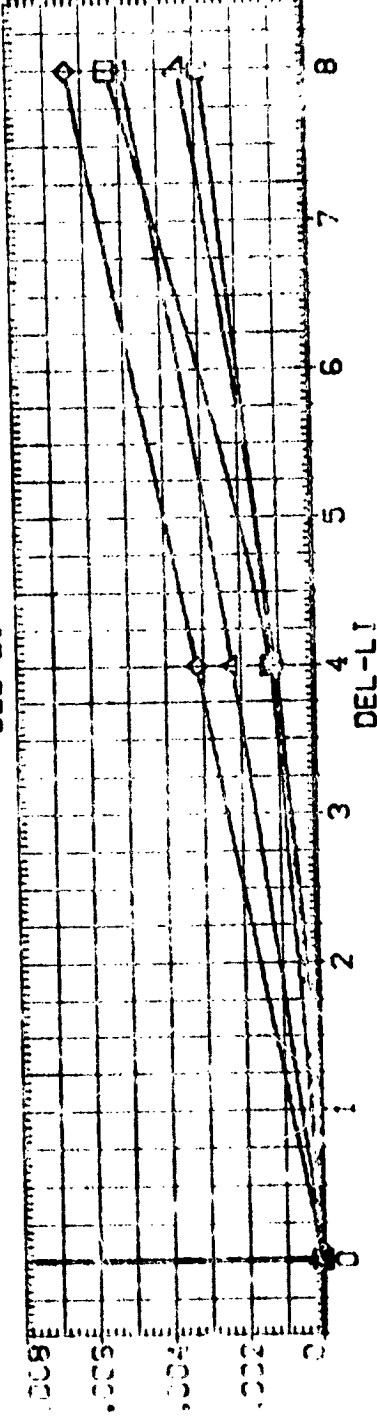
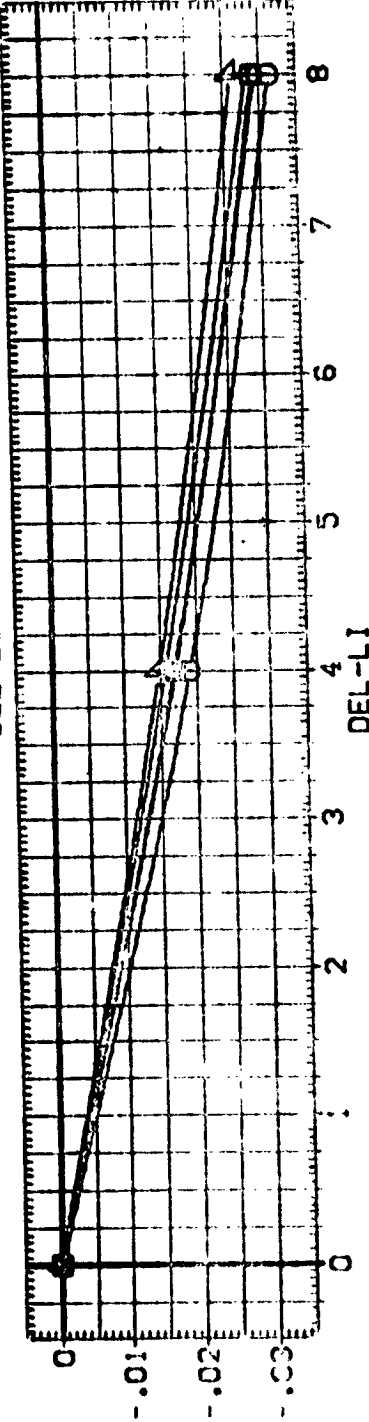
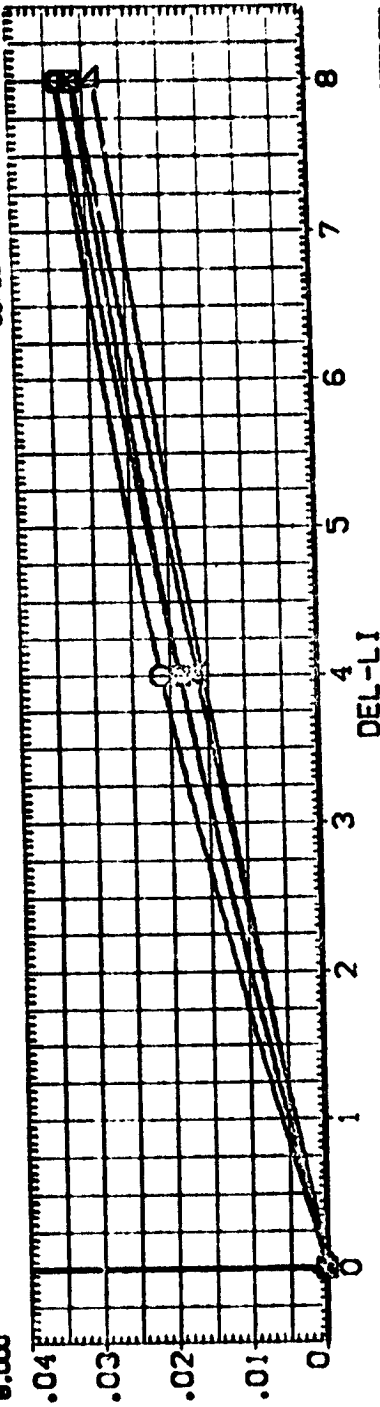
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 .000 D-CO10

DATA SOURCE
 DEL-LI
 .000
 8.000

DEL-LI
 4.000
 D-CO15
 YREF
 YREF
 ZREF
 SCALE

REFERENCE INFORMATION
 2000.0000
 50.0000
 50.0000
 376.0000
 400.0000
 .0100

SO.FT.
 INCHES
 INCHES
 IN. YI
 IN. YI
 IN. YI



LAUNCH VEHICLE INCREMENTAL LONGITUDINAL CHARACTERISTICS DUE TO ELEVON DEFLECTION

LARC 8-TPT-693 (1A43) CONFIGURATION 02/T4/S7 (DHC015)

REFERENCE INFORMATION

SO.FT.	2690.0000
INCHES	1290.0000
IN. XT	1290.0000
IN. YI	576.0000
IN. ZI	400.0000
SCALE	.0100

DATA SOURCE

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D-CO14
8.000

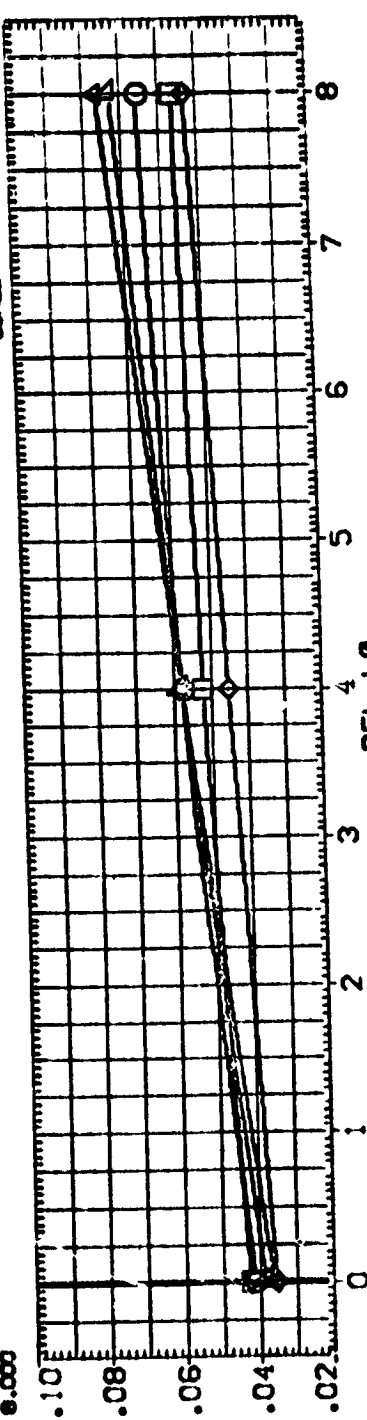
PARAMETRIC VALUES

DEL-LI	.900
BETA	4.000
SPDRK	.000

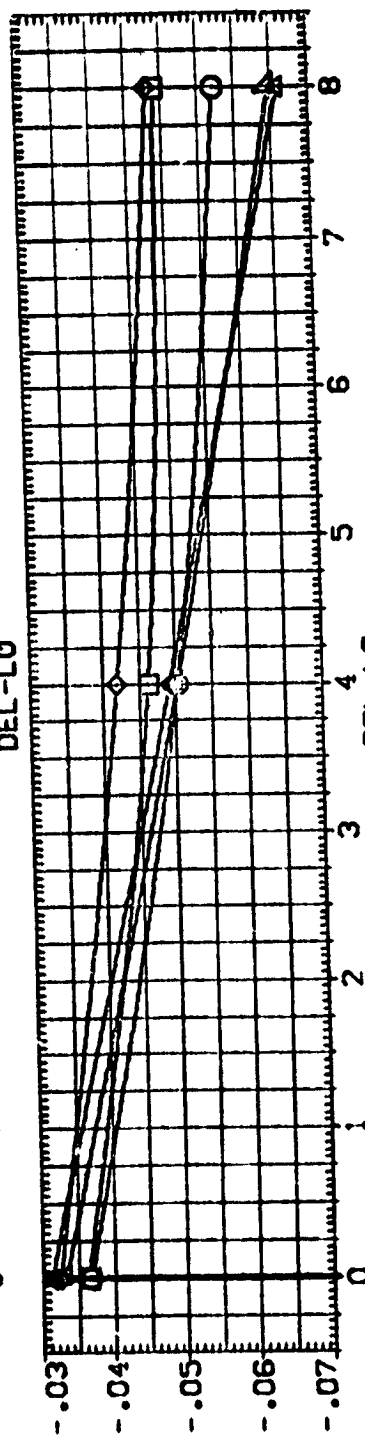
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-4.000
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8.000

SYMBOL
□
◇
△

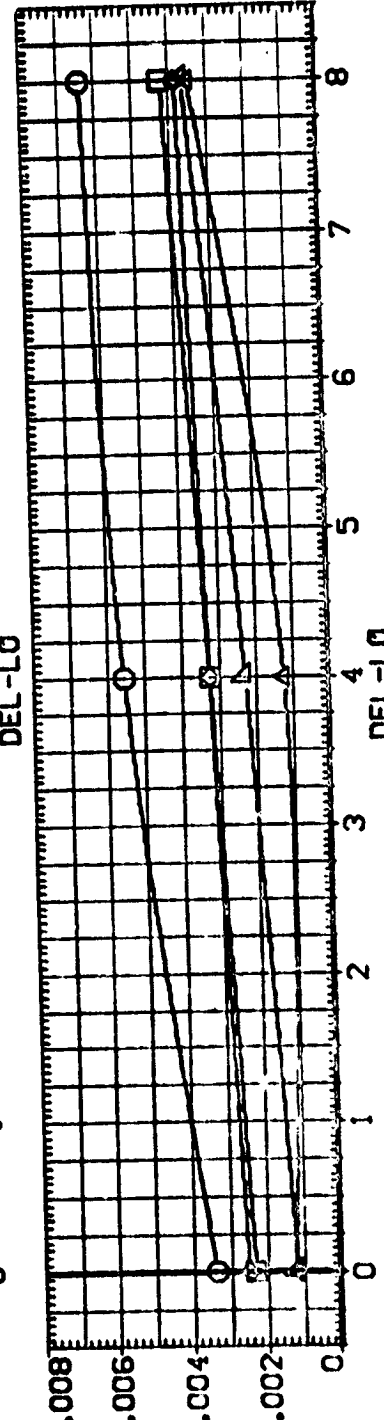
DLTCLN



DLTCLM



DLTCAF

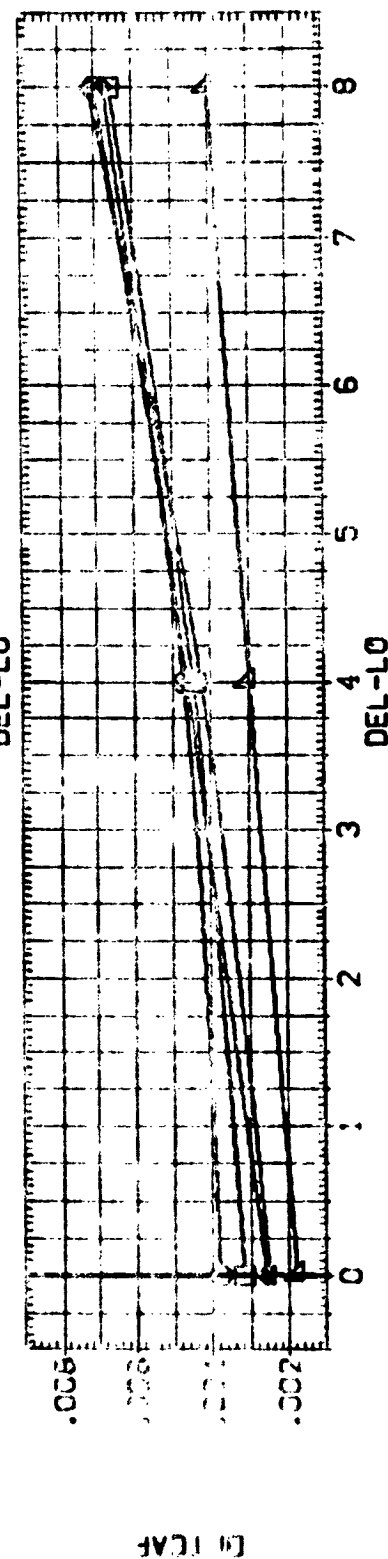
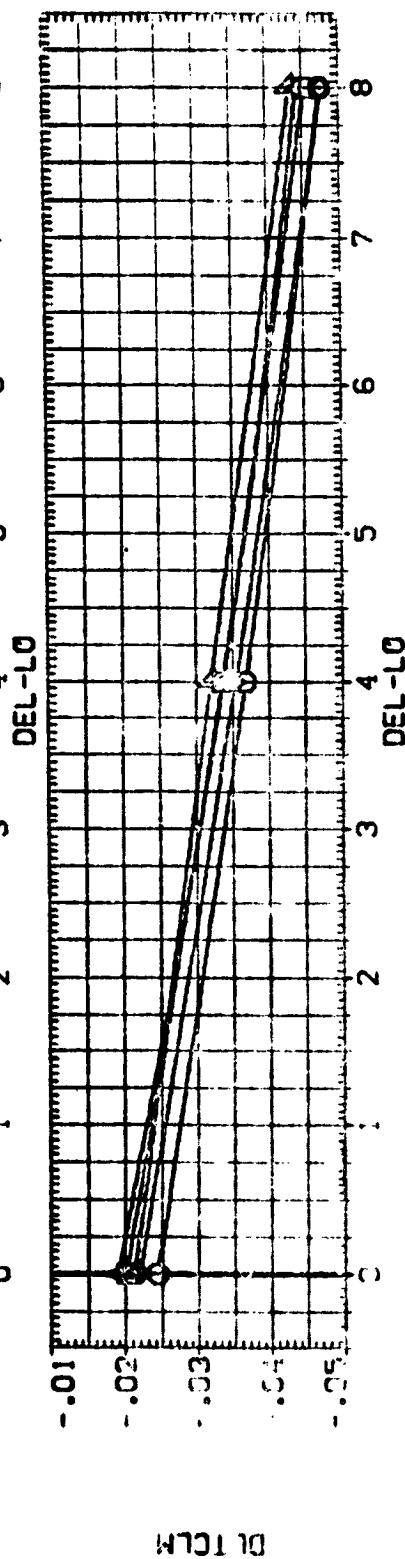
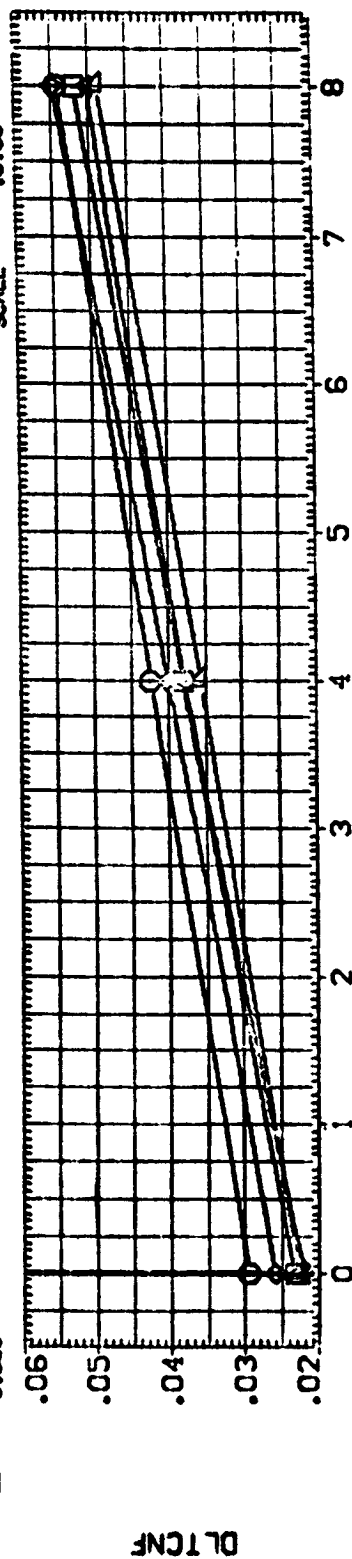


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LARC 8-TPT-693 (1A43) CONFIGURATION 02/14/87 (DHCO15)

441010

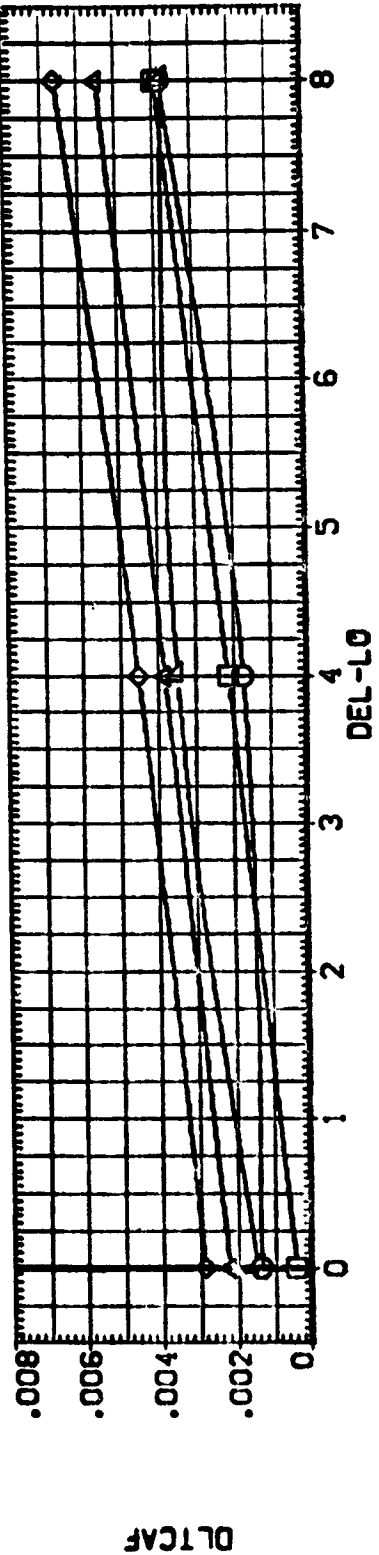
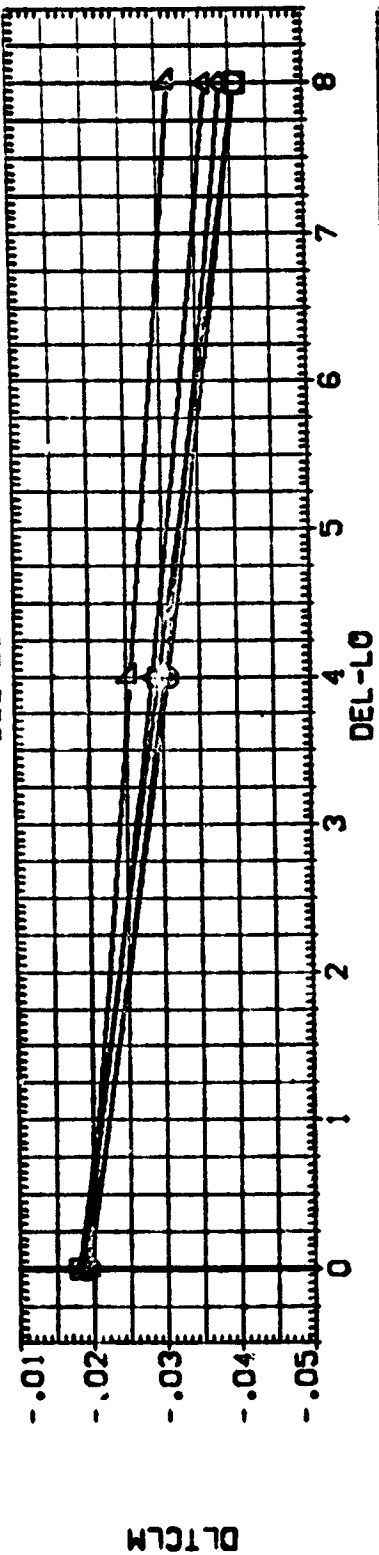
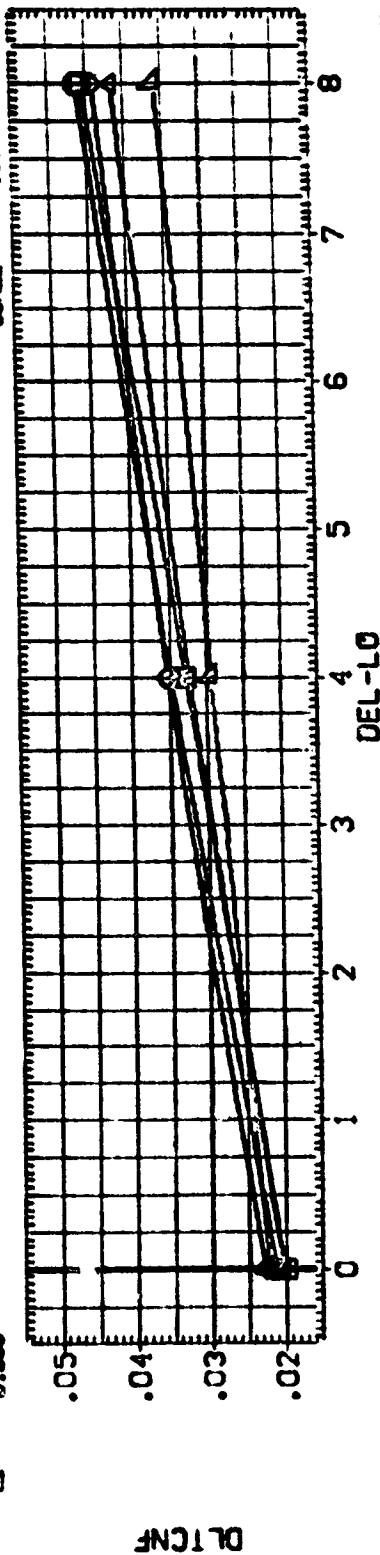
PARAMETRIC VALUES		DATA SOURCE		REFERENCE INFORMATION	
ALPHA	DEL-L1	DATASET	DEL-L0	SREF	SO.FTS
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-4.000	BETA	.000	4.000	1200.0000	IN. FES
.000	SPORRK	.000	8.000	1250.0000	IN. YI
.000				578.0000	IN. YI
4.000				400.0000	IN. ZI
8.000				SCALE	



LAUNCH VEHICLE INCREMENTAL LONGITUDINAL CHARACTERISTICS DUE TO ELEVON DEFLECTION

LARC 8-TPT-693 (1A43) CONFIGURATION 02/T4/S7 (DHC015)

SYMBOL	PARAMETRIC VALUES	DATA SOURCE	REFERENCE INFORMATION
ALPHA	1.130	DEL-L0	2650.0000
-8.000	DEL-L1	4.000	1250.0000
-4.000	BETA	D-C014	1250.0000
0.000	SPDRK	0.000	576.0000
4.000	DEL-RI	0.000	400.0000
8.000	RJDER	0.000	400.0000
	BDFLAP	0.000	400.0000
		SCALE	.0100



ARC 8-TPT-693 (1A43) CONFIGURATION DATA SHEET (DPO015)

ALPHA
 -8.000
 -4.000
 .000
 4.000
 8.000

SYMBOL
 □ ◇ △

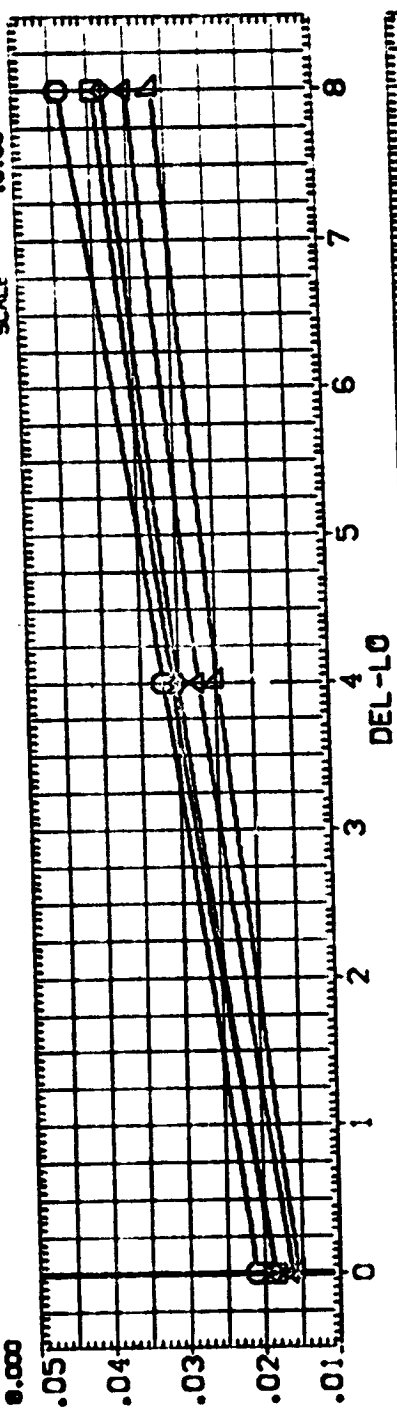
PARAMETRIC VALUES
 MACH 1.200 DEL-LI 4.000 BETA .000 SPOBRK .000
 DEL-RI 4.000
 RUDDER .000
 BOFLAP .000

DATA SOURCE
 DEL-LO 4.000
 DEL-LI 4.000
 DATASET D-C014
 D-C015
 D-C013

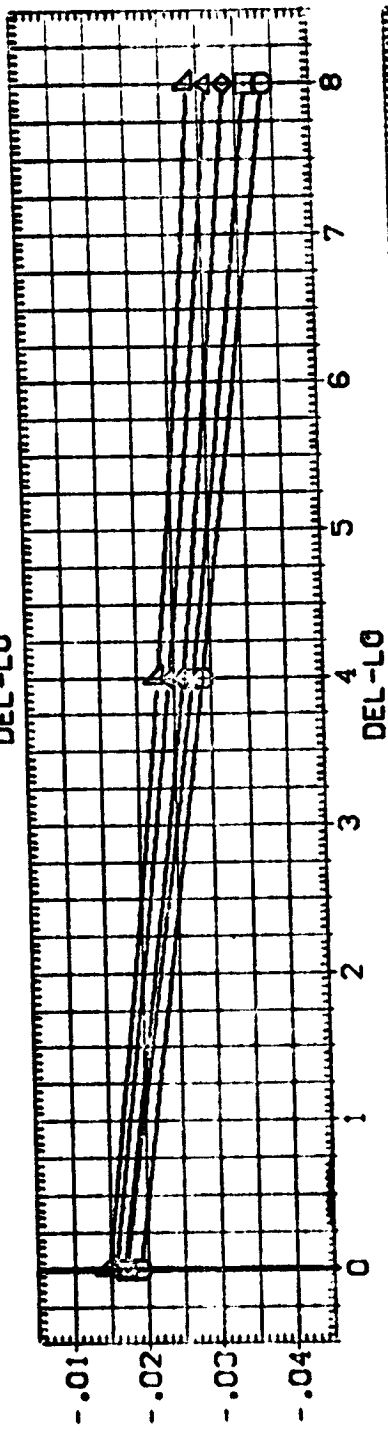
REFERENCE INFORMATION
 REF 2692.0000
 LREF 10.3000
 BREF 10.3000
 XREF 576.0000
 YREF 400.0000
 ZREF 400.0000
 SCALE .0100

SQ. FT.
 INCHES
 IN. XT
 IN. YT
 IN. ZT

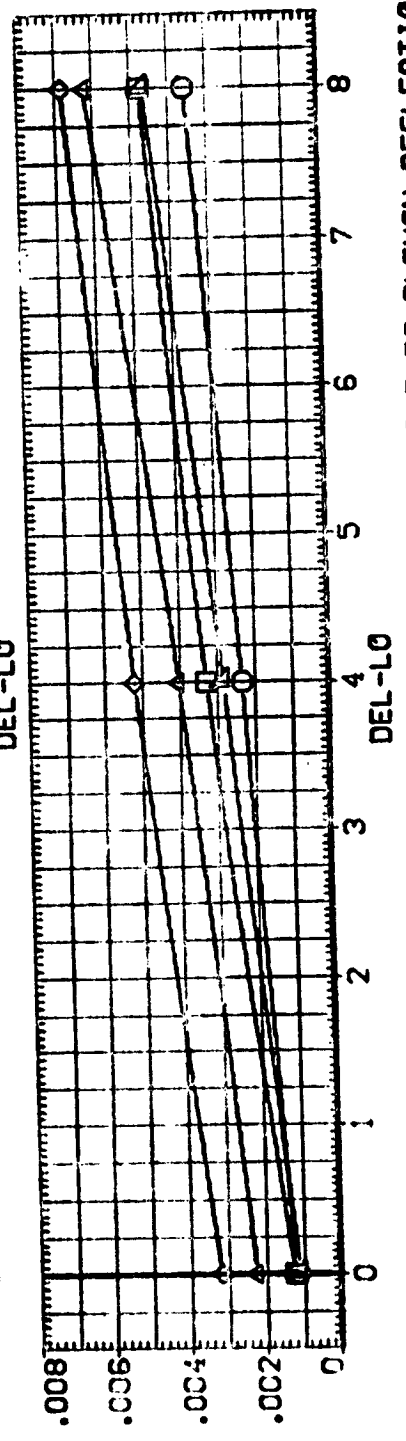
DLTCLN



DLTCLM

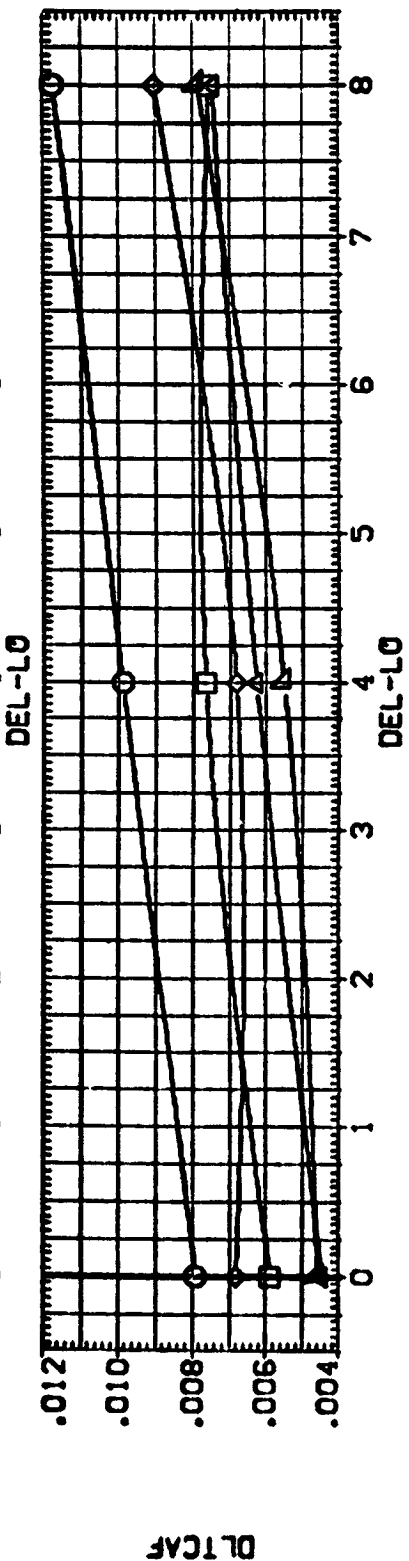
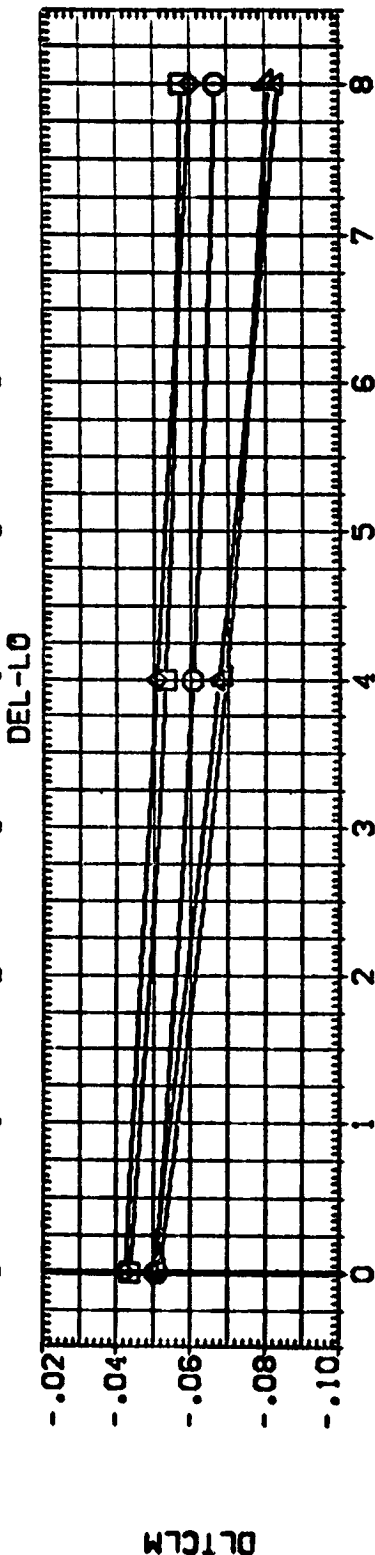
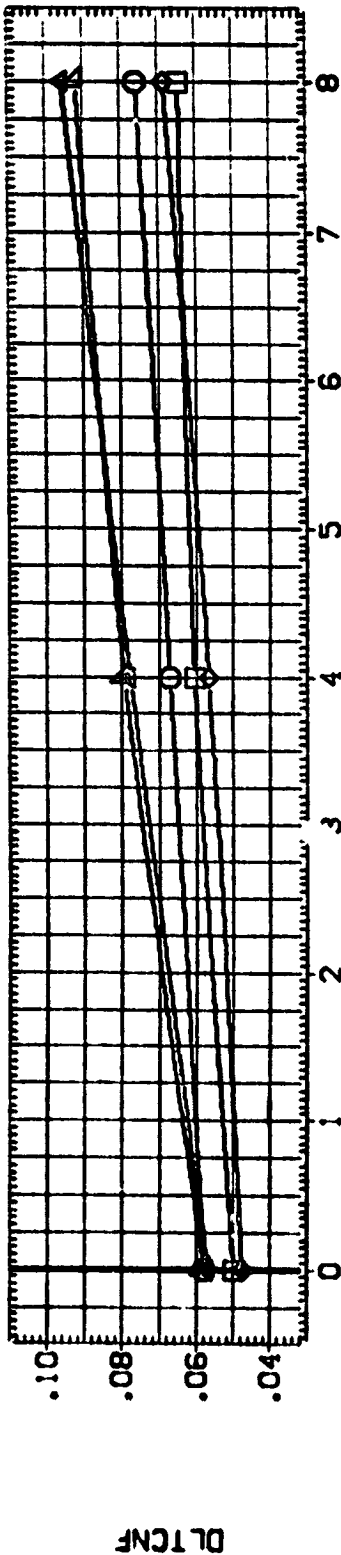


DLTCAF



LARC 8-TPT-693 (1A43) CONFIGURATION 02/14/S7 (DHC010)

SYMBOL	ALPHA	MACH	PARAMETRIC VALUES	DATA SOURCE	REFERENCE INFORMATION
▽	-8.000		.500 DEL-LI	0.000 DATASET	2690.0000 SQ.FT.
◇	-4.000	DEL-91	0.000 BETA	DEL-L0 4.000	1290.3000 INCHES
□	.000	RUDER	.000 SPOBRK	D-C011	1290.3000 INCHES
△	4.000	BOFLAP	.000	D-C012	576.0000 IN. XT
	8.000		.000		400.0000 IN. YT
					400.0000 IN. ZT
					SCALE .0100

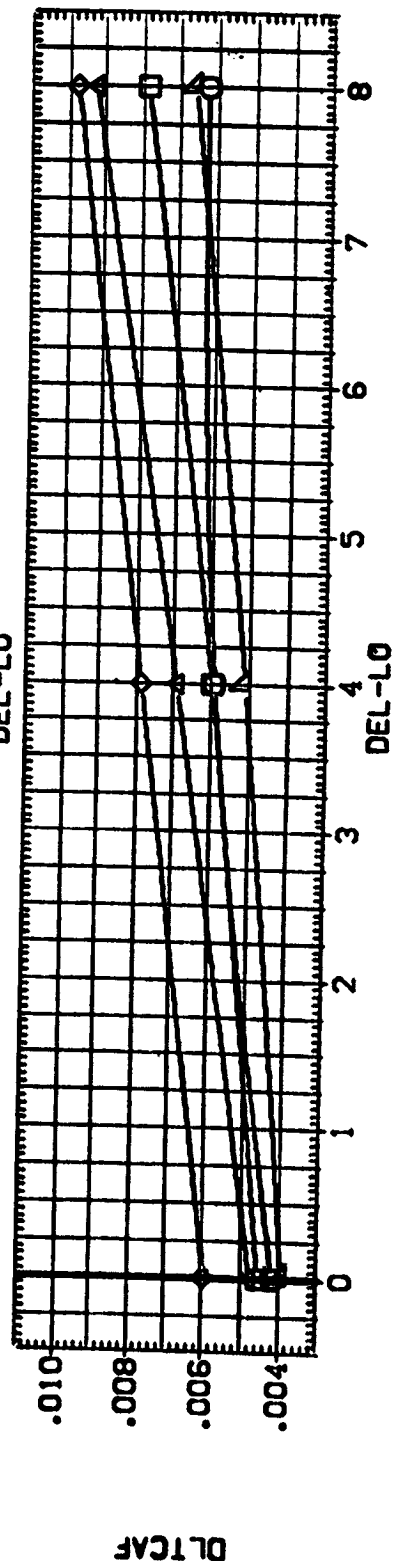
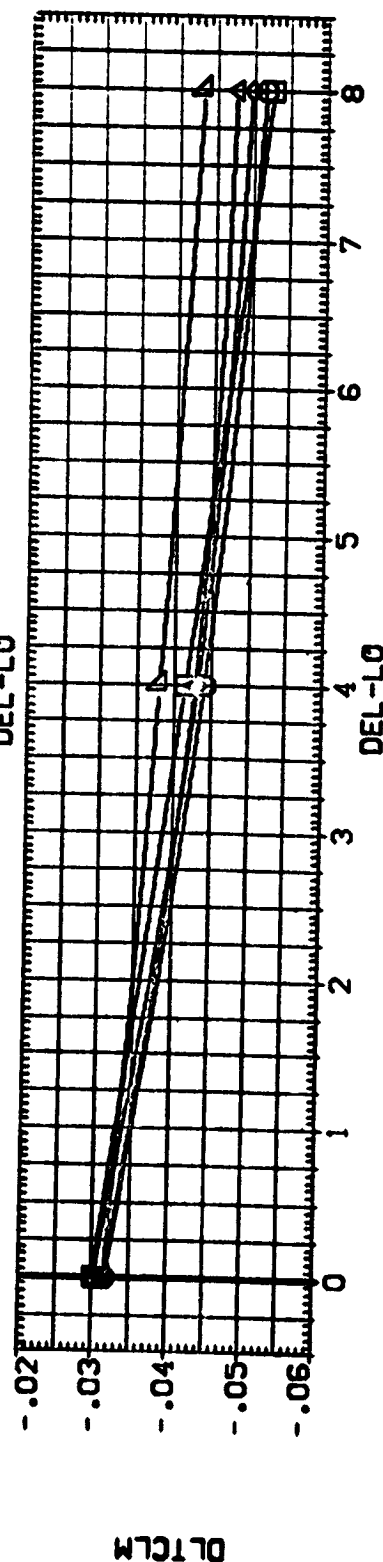
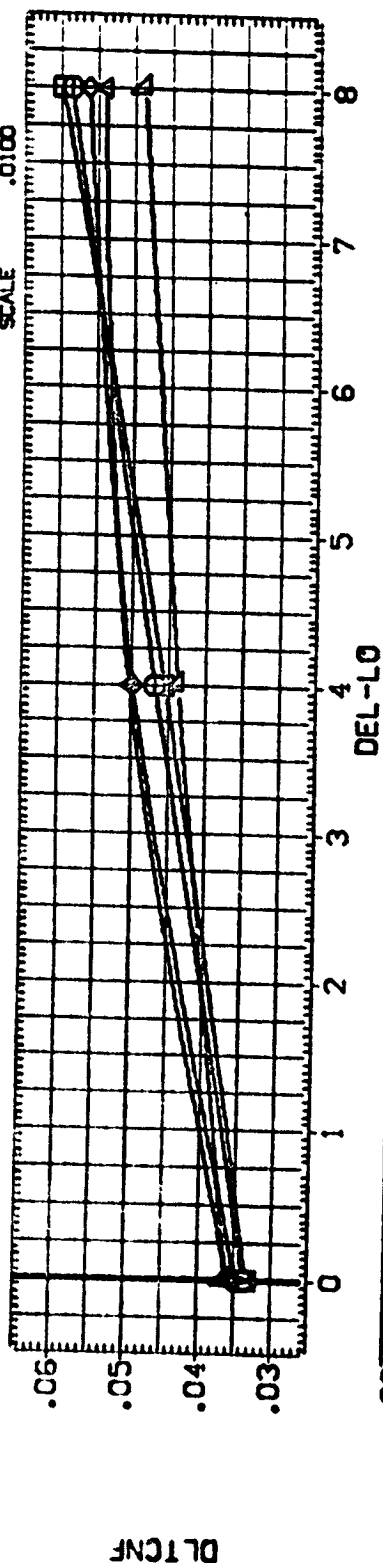


ORIGINAL PAGE IS
OF POOR QUALITY

LARC 8-TPT-693 (IA43) CONFIGURATION 02/T4/S7 (DHC010)

SYMBOL: 2D01044

PARAMETRIC VALUES		DATA SOURCE		REFERENCE INFORMATION	
ALPHA	WACH	DEL-LI	DEL-L0	SREF	SO.FT.
-8.000	DEL-R1	8.000	DEL-L0	2690.0000	INCHES
-1.000	RUDER	.000	D-C010	250.3000	INCHES
.000	BOFLAP	.000	D-C012	250.3000	IN. XT
4.000		.000		976.0000	IN. YT
8.000		.000		400.0000	IN. ZT
				SCALE	
					.0100



LAUNCH VEHICLE INCREMENTAL LONGITUDINAL CHARACTERISTICS DUE TO ELEVON DEFLECTION

ARC 8-TPT-693 (1A43) CONFIGURATION 02/14/57 (DHCO10)

SYMBOL
001044

ALPHA
-8.000
-4.000
4.000
8.000

MACH
DEL-R1
RUDDER
BDFLAP

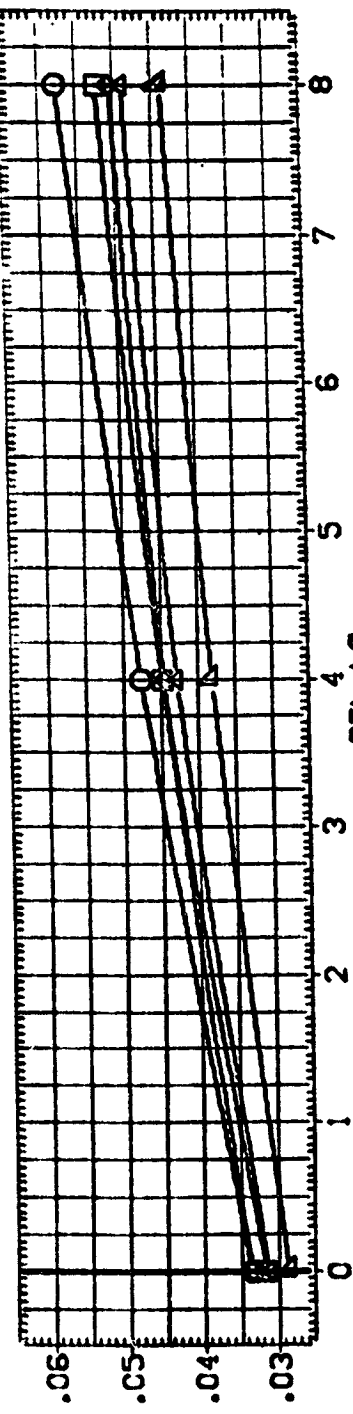
PARAMETRIC VALUES
DEL-L1
BETA
SPDRBK

DATA SOURCE
DEL-L0
D-CO10
D-CO12

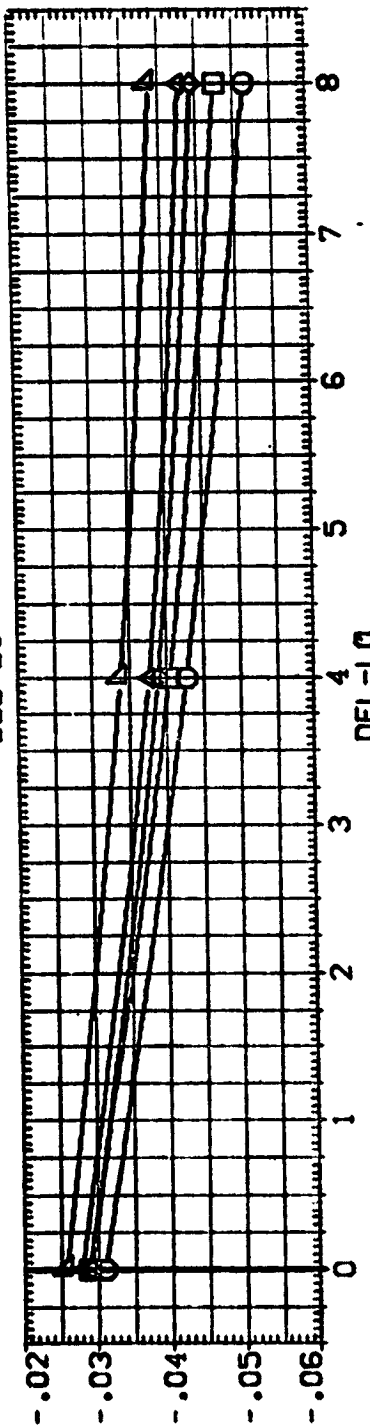
DATASET
D-CO11

DEL-L0
4.000

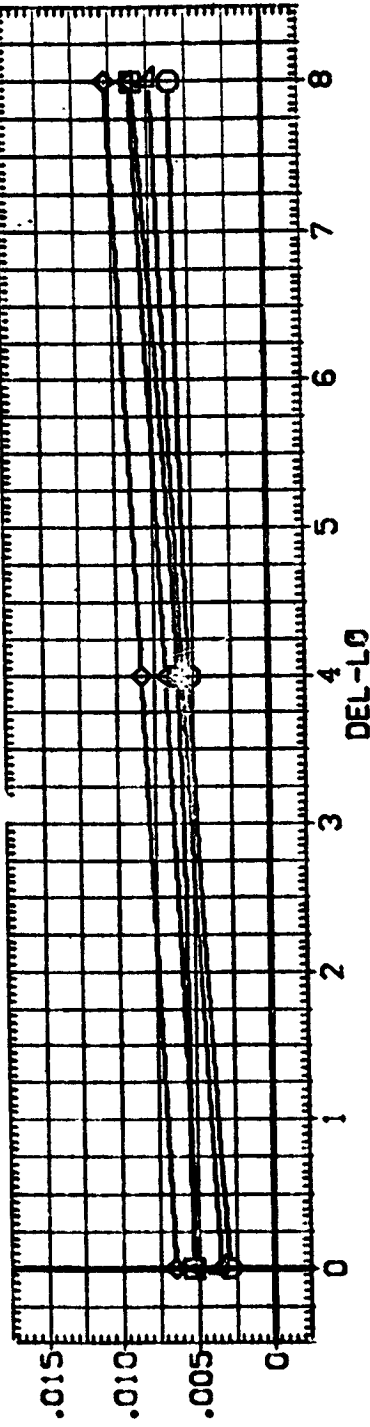
REFERENCE INFORMATION
SC.FT.
INCHES
INCHES
IN. XT
IN. YT
IN. ZT
XREF
YREF
ZREF
SCALE



DEL-CNF



DEL-CM



DEL-CAF

LAUNCH VEHICLE INCREMENTAL LONGITUDINAL CHARACTERISTICS DUE TO ELEVON DEFLECTION

APPENDIX
TABULATED SOURCE DATA

See next page for dataset name key and corresponding coefficient schedules.

Tabulations of plotted data are available on request from
Data Management Services

ORIGINAL PAGE 12
OF 1000 21 117

RHC---Datasets

CN, CA, CLM, CY, CYN, CBL, CL, CD, L/D

AHC---Datasets

O + T + S

CNF, CLMF, CAF, CNBØ, CNBF, CABØ, CABET,
CABSRB, CLMBØ, CLMBF

T + S

CN, CLM, CA, CAF, CABET, CABSRB

T

CN, CLM, CA, CAF, CABET

Note: There are no A data for datasets 029-036. Base pressure data for tunnel runs 098-105 were bad.

RHCM--Datasets

CLWI, CLWO, CMWG, CNW, XCPW, CBW, CTW
(Datasets 02-16)

CLWI, CLWO, CNW, YCPW, CBW
(Datasets 17, 18, 29-36)

Note: Instrumentation problems resulted in no usable CMWG, CTW or XCPW data for Datasets 17, 18, and 29-36.

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (1A43)

PAGE 1

LARC 8-TET-693 (1A43) CONFIGURATION 03/74/37

(RMCO01) (12 OCT 74)

REFERENCE DATA

SREF = 2630.0000 36.17. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

RUN NO. 6/ 0 RIVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.600	-10.595	-.01308	-.73680	.29223	.31575	.01714	-.00770	-.00095	-.67061	.42274	-1.56634
.600	-8.502	-.01149	-.60089	.29085	.26032	.01371	-.00322	-.00120	-.55126	.37650	-1.46424
.600	-6.391	-.01021	-.46818	.28845	.23664	.01004	-.00208	-.00145	-.43316	.33877	-1.27863
.601	-4.307	-.00870	-.34442	.28598	.15777	.00716	-.00117	-.00155	-.32197	.31103	-1.03517
.600	-2.223	-.00442	-.23838	.28444	.11704	.00197	.00194	-.00193	-.22717	.29347	-.77409
.399	-.139	.00081	-.13010	.28010	.07456	-.00455	.00470	-.00241	-.12942	.28042	-.46153
.600	1.961	.00359	-.01291	.27285	.02724	-.00721	.00320	-.00228	-.02224	.27225	-.06168
.601	4.042	.00330	.10352	.26634	-.01896	-.00853	.00313	-.00214	.08449	.27297	.30853
.600	6.135	.00497	.22282	.25946	-.06737	-.00822	.00305	-.00197	.19383	.26178	.68787
.600	8.223	.00367	.34162	.24989	-.11727	-.00751	.00345	-.00152	.30236	.29618	1.02088
.600	10.323	.00024	.46992	.23983	-.16842	-.00323	.00365	-.00096	.41934	.32016	1.30880
GRADIENT		.00172	.00370	-.00244	-.02123	-.00194	.00366	-.00007	.04874	-.00466	.16196

RUN NO. 5/ 0 RIVL = 3.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.601	-10.980	-.02004	-.78395	.31261	.32362	.01841	-.00885	-.00051	-.71206	.45659	-1.55953
.600	-8.800	-.01844	-.63326	.30820	.26017	.01374	-.00567	-.00041	-.58063	.40175	-1.44325
.600	-6.635	-.01567	-.48338	.30424	.23048	.01107	-.00302	-.00072	-.44499	.35806	-1.24277
.600	-4.464	-.01313	-.34535	.29871	.14808	.00806	-.00110	-.00099	-.32106	.32488	-.98883
.601	-2.331	-.00682	-.22121	.29420	.09845	.00256	.00145	-.00137	-.20806	.30296	-.68008
.600	-.191	-.00227	-.09706	.28783	.04737	-.00284	.00250	-.00157	-.09610	.28816	-.33331
.601	1.958	.00758	.02674	.28146	-.00447	-.00821	.00494	-.00218	.01711	.28221	.08063
.600	4.098	.00780	.15719	.27690	-.05590	-.00707	.00340	-.00171	.13700	.28743	.47662
.601	6.245	.00599	.29053	.27257	-.11397	-.00457	.00157	-.00184	.25916	.30255	.85637
.601	8.399	.00633	.41448	.27276	-.16112	-.00672	.00392	-.00117	.37020	.33037	1.12054
.600	10.546	.00222	.53831	.27418	-.20175	-.00310	.00227	-.00004	.47726	.36774	1.29782
GRADIENT		.00263	.05832	-.00263	-.02391	-.00192	.00058	-.00011	.05335	-.00445	.17194

TABULATED SOURCE DATA - LARC 693 (IA43)

LARC 8-TFT-693 (IA43) CONFIGURATION 03/74/37

(BHC001) (12 OCT 74

REFERENCE DATA

SLIP = 2890.0000 30. FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-HI = .000
ELV-RO = .000 RUDDER = .000
SECDBK = .000 BDFLAP = .000

RUN NO. 4/ 0 RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.900	-11.177	-.02543	-.82684	.35117	.34289	.01936	-.00847	-.00072	-.74306	.50480	-1.47204
.900	-8.932	-.02536	-.64617	.34644	.26406	.01770	-.00648	-.00082	-.58439	.44277	-1.31986
.900	-6.758	-.02523	-.48255	.33940	.19231	.01231	-.00314	-.00073	-.43940	.39367	-1.11613
.901	-4.351	-.01609	-.32620	.33232	.12535	.00785	-.00020	-.00063	-.29078	.35736	-.83808
.901	-2.364	-.01036	-.17242	.32531	.05508	.00312	.00219	-.00090	-.15866	.32115	-.47628
.901	-.189	-.00130	-.03837	.31890	-.01333	-.00272	.00403	-.00199	-.03182	.31801	-.08880
.900	1.866	.00361	.09401	.31918	-.08238	.00647	.00458	-.00164	.08313	.31822	.86122
.900	4.132	.01320	.21075	.31945	-.10345	-.00775	.00332	-.00196	.28773	.34463	.58043
.900	6.297	.01008	.32379	.31100	-.13461	-.00775	.00190	-.00040	.40639	.37461	1.08484
.900	8.479	.00244	.45718	.31059	-.18772	-.00273	.00370	-.00048	.51302	.41418	1.24348
.901	10.644	.00364	.58265	.31193	-.23633	-.00380	.00370	-.00048	.51302	.41418	1.24348
GRADIENT		.00344	.06178	-.00204	-.02624	-.00216	.00062	-.00024	.05598	-.00319	.16355

RUN NO. 3/ 0 RIVL = 4.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.900	-11.358	-.02528	-.88373	.43594	.36159	.02014	-.00804	-.00096	-.78017	.60199	-1.29599
.901	-9.111	-.02514	-.66884	.43206	.26642	.01471	-.00426	-.00105	-.59199	.53232	-1.11162
.901	-6.830	-.01939	-.48837	.42655	.19194	.00838	-.00034	-.00154	-.43402	.48175	-.90091
.901	-4.634	-.01433	-.32800	.42242	.12743	.00235	.00478	-.00224	-.29280	.44734	-.65425
.901	-2.423	-.00673	-.16313	.41664	.07127	.00098	.00837	-.00294	-.16533	.42402	-.38992
.900	-.279	-.00132	-.03741	.41273	.01302	-.00353	.00761	-.00298	-.03590	.41284	-.08696
.900	1.963	.00897	.09418	.40832	-.03465	-.01124	.00880	-.00337	.08012	.41131	.19480
.900	4.132	.00738	.22530	.41302	-.10171	-.00835	.00758	-.00272	.19486	.42815	.45464
.900	6.336	.00392	.36089	.40754	-.15473	-.00288	.00138	-.00236	.31371	.44488	.70315
.900	8.513	.00676	.49141	.40380	-.20517	-.00400	.00120	-.00167	.42622	.47210	.90282
.900	10.687	.00532	.61101	.40594	-.24844	-.00463	.00244	-.00097	.52495	.51319	1.02292
GRADIENT		.00273	.06311	-.00124	-.02628	-.00128	.00011	-.00006	.05568	-.00237	.12785

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 3

LARC 8-TPT-693 (IA43) CONFIGURATION 03/74/57

(RHC001) (12 OCT 74)

REFERENCE DATA

REF = 2630.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 1230.3000 INCHES YMRP = .0000 IN. YT
 SREF = 1230.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA =
 ELV-L1 =
 ELV-R0 =
 SPDRK =

.000 ELV-LO = .000
 .000 ELV-RI = .000
 .000 RUDDER = .000
 .000 BDFLAP = .000

PARAMETRIC DATA

RUN NO. 2/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

WACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.132	-11.614	-0.0204	-90633	.49027	.36938	.01977	-.00825	.00006	-.78908	.68269	-1.18072
1.129	-9.300	-0.02872	-.69790	.46770	.27776	.01550	-.00478	-.00037	-.60990	.59408	-1.02684
1.131	-7.014	-.02582	-.51915	.47941	.20990	.01221	-.00230	-.00103	-.45672	.53921	-.84702
1.130	-4.735	-0.02251	-.35109	.47353	.14531	.00947	-.00053	-.00113	-.31080	.50087	-.62053
1.133	-2.488	-0.01391	-.19317	.47006	.08236	.00511	-.00049	-.00153	-.17259	.47800	-.36106
1.130	-.268	-0.00253	-.04517	.46701	.02214	-.00089	.00228	-.00211	-.04298	.46721	-.09200
1.133	1.934	.00278	.08848	.46068	-.03588	-.00181	.00085	-.00188	.07289	.46340	.19729
1.133	4.155	.00338	.22995	.45869	-.09726	-.00067	.00177	-.00168	.19611	.47414	.41360
1.130	6.382	.00168	.37368	.45159	-.15979	.00431	-.00001	-.00106	.32133	.49022	.63549
1.130	8.556	-.00194	.50097	.44950	-.21356	.00455	-.00455	-.00163	.42832	.51903	.82563
1.129	10.753	-.00499	.60870	.44418	-.24139	.00545	-.00415	.00018	.51513	.54995	.93669
	GRADIENT	.03327	.06503	-.00176	-.02718	-.00123	-.00009	-.00007	.05673	-.00307	.11650

RUN NO. 3/ 0 RIVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

WACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.201	-11.679	-.03465	-.92463	.50228	.38073	.01859	-.00603	.00011	-.80381	.67906	-1.18372
1.201	-9.345	-.02956	-.70905	.49824	.28730	.01494	-.00414	.00011	-.61874	.60576	-1.01974
1.201	-7.052	-.02646	-.52154	.49098	.21165	.01149	-.00150	-.00048	-.45732	.55130	-.82953
1.200	-4.756	-.01949	-.34327	.48440	.13926	.00597	.00187	-.00101	-.30193	.51119	-.59064
1.200	-2.501	-.01423	-.18153	.47991	.07143	.00390	.00190	-.00129	-.16042	.48737	-.32915
1.200	-.257	-.00229	-.03081	.47360	.01130	-.00148	.00285	-.00173	-.02868	.47373	-.06028
1.200	1.949	.00422	.09817	.46941	-.04213	-.00385	.00269	-.00165	.08215	.47247	.17387
1.200	4.147	.00378	.23230	.46742	-.09945	-.00242	.00023	-.00147	.19789	.46300	.40971
1.200	6.366	.00145	.37071	.46125	-.15784	.00274	-.00398	-.00098	.31728	.49951	.63519
1.200	8.582	-.00161	.50392	.45913	-.21549	.00277	-.00259	-.00044	.42977	.52919	.81212
1.200	10.796	-.00426	.63121	.45370	-.25713	.00206	-.00048	-.00137	.53305	.56391	.94883
	GRADIENT	.03310	.06431	-.00200	-.02656	-.00110	-.00011	-.00006	.05583	-.00322	.11231

DATE 24 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 4

LARC 8-TFT-693 (IA43) CONFIGURATION 02/74/98

(RHC002) (12 OCT 74)

REFERENCE DATA

SREF = 2690.0000 30. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LJ = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPORK = .000 BOFLAP = .000

RUN NO. 10/ 0 RIVL = 3.16 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.600	-10.633	-.01391	-.75135	.27981	.32316	.02394	-.01402	.00039	-.68692	.41364	-1.65043
.599	-8.513	-.01117	-.60982	.27842	.26494	.01812	-.01081	.00038	-.56198	.36965	-1.53695
.598	-6.423	-.01130	-.47647	.27615	.21107	.01634	-.00859	.00029	-.44258	.32772	-1.35030
.597	-4.331	-.00899	-.35910	.27300	.16513	.01343	-.00738	.00021	-.33746	.29934	-1.12735
.596	-2.250	-.00597	-.25506	.27102	.12635	.00951	-.00563	.00022	-.24422	.28083	-.86964
.595	-.165	-.00260	-.14734	.26888	.08581	.00557	-.00418	.00044	-.14677	.26630	-.53114
.600	1.934	.00059	-.03214	.25780	.03933	.00313	-.00445	.00005	-.04082	.25657	-.15909
.599	4.027	.00263	.08749	.25148	-.00720	.00117	-.00359	.00006	.06961	.25700	.27398
.598	6.106	.00365	.20350	.24386	-.05402	-.00045	-.00325	.00024	.17630	.26414	.66821
.599	8.198	.00316	.32279	.23412	-.10245	-.00037	-.00267	.00011	.28611	.27775	1.07009
.598	10.297	.00371	.45079	.22321	-.15348	.00231	-.00350	.00034	.40363	.30020	1.34456
GRADIENT		.00143	.03340	-.00269	-.02073	-.00148	.00038	.00002	.04869	-.00321	.16782

RUN NO. 9/ 0 RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.699	-11.224	-.03072	-.84013	.33863	.35140	.02777	-.01548	.00055	-.73814	.49369	-1.52948
.900	-8.959	-.02819	-.65705	.33480	.27073	.02432	-.01294	.00071	-.59690	.43303	-1.37842
.833	-6.775	-.02236	-.49509	.32705	.19383	.01928	-.01030	.00084	-.43305	.38317	-1.18237
.921	-4.568	-.02107	-.33965	.32003	.13475	.01780	-.00934	.00091	-.31308	.34607	-.90469
.899	-2.336	-.01188	-.19671	.30992	.07262	.01166	-.00723	.00067	-.18358	.31787	-.57732
.899	-.231	-.00733	-.05943	.30303	.00815	.01122	-.00932	.00091	-.05821	.30326	-.19194
.900	1.943	.00201	.07573	.30062	-.04685	.00573	-.00808	.00042	.06550	.30301	.21616
.898	4.100	.00442	.18429	.30039	-.07840	.00436	-.00781	.00047	.16234	.31280	.51897
.900	6.275	.00617	.30349	.29582	-.12118	.00337	-.00764	.00082	.27530	.32787	.83965
.902	8.456	-.00145	.44149	.29316	-.17427	.00310	-.01013	.00205	.39358	.35489	1.10902
.900	10.610	-.00400	.56544	.29351	-.22095	.00955	-.00919	.00268	.50173	.39261	1.27795
GRADIENT		.00299	.06092	-.00224	-.02518	-.00151	.00010	.00005	.05536	-.00376	.16799

LARC 8-TPT-693 (IA43) CONFIGURATION 06/TA/56

(RHCD002) (12 OCT 74)

REFERENCE DATA

REF = 2593.0000 IN. FT. XMRP = 976.0000 IN. XT
 REF = 1200.0000 INCHES YMRP = 0.0000 IN. YT
 REF = 1200.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 8/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MAC	ALPHA	BETA	CN	CA	CLM	CY	CYN	CL	CD	L/D
1.120	-11.649	-0.3378	-0.3415	.48239	.39139	.02443	-.01297	-.81751	.68107	-1.23684
1.130	-5.343	-0.3384	-.73207	.47753	.30777	.02320	-.01305	-.64488	.58737	-1.09306
1.129	-7.347	-.02343	-.54689	.46970	.23413	.01940	-.00922	-.48313	.53325	-.90977
1.130	-4.772	-.02283	-.37187	.45434	.16533	.01458	-.00565	-.33195	.49367	-.67243
1.130	-2.537	-.01637	-.21497	.46123	.10241	.01150	-.00359	-.19434	.47029	-.41324
1.129	-.294	-.00510	-.06362	.45796	.04006	.00608	-.00490	-.05127	.45828	-.13369
1.130	1.914	-.00137	.07442	.45259	-.01992	.03582	-.00637	.05926	.45482	.13030
1.130	4.119	.00511	.21022	.44827	-.07883	.00411	-.00741	.17749	.46221	.38399
1.130	6.335	-.00351	.35219	.44038	-.13976	.01037	-.01227	.30148	.47626	.63302
1.130	8.543	-.00302	.48159	.43588	-.19375	.01070	-.01146	.41134	.50357	.81684
1.130	10.756	-.00908	.59444	.43382	-.22322	.01369	-.01210	.50378	.53401	.94338
GRADIENT		.00320	.06539	-.00183	-.02744	-.00120	-.00009	.05724	-.00354	-.11948

RUN NO. 7/ 0 RIVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MAC	ALPHA	BETA	CN	CA	CLM	CY	CYN	CL	CD	L/D
1.200	-11.693	-0.3687	-.94309	.49466	.39915	.02562	-.01250	-.82327	.67532	-1.21872
1.201	-9.353	-.03301	-.72855	.49192	.30552	.01990	-.00850	-.63908	.60280	-1.08019
1.200	-7.046	-.03141	-.53701	.48374	.22754	.01779	-.00679	-.47562	.54596	-.86730
1.200	-4.762	-.02268	-.35318	.47647	.15168	.01263	-.00469	-.31240	.50414	-.61967
1.200	-2.498	-.01654	-.19230	.47143	.08422	.00992	-.00380	-.17157	.47936	-.35791
1.200	-.244	-.00737	-.04101	.46640	.02371	.00596	-.00378	-.03902	.46637	-.08364
1.200	1.942	.00078	.08761	.45954	-.02951	.00266	-.00357	.07199	.46224	.15373
1.200	4.151	.00562	.22102	.45601	-.08590	.00152	-.00445	.18743	.47081	.39808
1.200	6.377	.00021	.35689	.44949	-.14305	.00700	-.00855	.30476	.48634	.62663
1.200	8.590	-.00241	.49205	.44551	-.19968	.00746	-.00788	.41999	.51400	.81709
1.200	10.811	-.00717	.61502	.43965	-.23756	.00812	-.00542	.52164	.54721	.95328
GRADIENT		.00332	.06417	-.00237	-.02646	-.00131	.00003	.05565	-.00378	-.11450

DATE 04 APR 73

TABULATED SOURCE DATA - LARC 693 (1A43)

LARC 8-TFT-693 (1A43) CONFIGURATION 02/74/56

(RUC003) (12 OCT 74

PAGE 6

REFERENCE DATA

SREF = 2690.0000 30. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 SREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SDBRK = .000 BOFLAP = .000

PARAMETRIC DATA

RUN NO. 13/ 0 RIVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.600	-10.605	-.01482	-.73780	.29046	.31642	.02297	-.01302	.00159	-.67174	.42128	-1.59451
.600	-8.498	-.01380	-.59658	.28964	.29333	.02022	-.01079	.00156	-.54729	.37452	-1.46131
.600	-6.400	-.01356	-.46703	.28728	.20677	.01810	-.00855	.00127	-.43207	.33734	-1.28004
.600	-4.297	-.01031	-.34655	.28454	.15350	.01329	-.00597	.00105	-.32425	.30981	-1.04663
.600	-2.211	-.00809	-.23713	.28269	.11736	.01071	-.00533	.00083	-.22604	.29163	-.77510
.600	-.127	-.00396	-.12746	.27791	.07367	.00510	-.00316	.00088	-.12684	.27819	-.43596
.600	1.982	.00187	-.01156	.27039	.02581	.00012	-.00197	.00060	-.02080	.26934	-.07716
.600	4.056	.00142	.10882	.26312	-.02111	.00169	-.00343	.00108	.08994	.27016	.33291
.538	6.146	-.00099	.22886	.25561	-.07038	.00496	-.00501	.00171	.20018	.27864	.71842
.530	8.241	.00067	.35019	.24506	-.12053	.00178	-.00281	.00136	.51145	.29272	1.08398
.600	10.348	-.00221	.47349	.23483	-.16981	.00473	-.00359	.00210	.42360	.31606	1.34027
GRADIENT		.00160	.05442	-.00267	-.02167	-.00162	.00039	-.00001	.04951	-.00485	.16559

RUN NO. 12/ 0 RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.900	-11.170	-.02732	-.83159	.35349	.34844	.02496	-.01400	.00047	-.74736	.50789	-1.47150
.890	-9.943	-.02631	-.64937	.34793	.26764	.02273	-.01210	.00038	-.58739	.44465	-1.32103
.900	-6.753	-.02212	-.48849	.34051	.19705	.01897	-.01009	.00007	-.44506	.39559	-1.12507
.890	-4.546	-.01842	-.33605	.33108	.13362	.01512	-.00761	.00038	-.30876	.33667	-.86555
.890	-2.397	-.01151	-.19256	.32220	.07001	.01035	-.00623	.00039	-.17915	.32884	-.54313
.890	-.196	-.00456	-.04757	.31583	-.02013	.00757	-.00662	.00046	-.04649	.31599	-.14712
.890	1.973	.00357	.08296	.31172	-.05329	.00376	-.00660	.00022	.07218	.31439	.22960
.890	5.134	.00236	.19646	.31337	-.08837	.00504	-.00779	.00050	.17338	.32642	.53117
.900	7.234	.00723	.31897	.30927	-.13057	.00143	-.00591	.00026	.28308	.34243	.82669
.900	8.480	.00027	.45579	.30942	-.18603	.00586	-.00723	.00168	.40516	.37325	1.08553
.900	10.634	-.00385	.57753	.31093	-.23031	.00798	-.00738	.00030	.51024	.41216	1.23796
GRADIENT		.00267	.06181	-.00215	-.02616	-.00125	-.00003	.00000	.05603	-.00351	.16442

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

LARC 8-TPT-633 (IA43) CONFIGURATION 02/14/86

(RMCD03) (12 OCT 74)

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDRK = .000 BOFLAP = .000

REFERENCE DATA

SREF = 2930.0000 30. FT. YARP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YARP = .0000 IN. YT
BREF = 1290.3000 INCHES ZARP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 11/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.130	-11.621	-.03303	-.92134	.49035	.38293	.02584	-.01410	.00102	-.00367	-.66590	-1.20680
1.131	-9.306	-.03465	-.72387	.48554	.29875	.02357	-.01167	.00032	-.63271	-.59670	-1.06033
1.131	-6.997	-.02632	-.53282	.47808	.22488	.01681	-.03762	.00049	-.47061	.53943	-.87243
1.130	-4.748	-.02309	-.36111	.47235	.15639	.01435	-.00629	.00036	-.32078	.50562	-.64076
1.130	-2.492	-.01404	-.20174	.46373	.09284	.00923	-.03442	-.00008	-.18113	.47806	-.37888
1.130	-.273	-.00995	-.03007	.46552	.02750	.00602	-.03442	.00009	-.04788	.46673	-.10237
1.130	1.948	.00248	.08801	.46355	-.03264	.00275	-.03451	.00001	.07231	.46328	.15607
1.130	4.144	.00311	.22715	.45845	-.09461	.00499	-.00751	.00045	.19343	.47367	.40836
1.129	6.361	.00065	.36994	.45214	-.15995	.00831	-.01034	.00043	.51757	.49034	.64764
1.129	8.566	-.00245	.49578	.44859	-.20736	.00941	-.01017	.00010	.42342	.51753	.81815
1.130	10.768	-.00775	.60747	.44274	-.23781	.01189	-.01058	.00211	.51406	.54844	.93732
GRADIENT		.00310	.08598	-.00165	-.02812	-.00114	-.00212	.00001	.05789	-.00310	.11849

(RMCD04) (12 OCT 74)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/83

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDRK = .000 BOFLAP = .000

REFERENCE DATA

SREF = 2980.0000 30. FT. YARP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YARP = .0000 IN. YT
BREF = 1290.3000 INCHES ZARP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 17/ 0 RVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.000	-10.392	-.01664	-.75823	.29124	.32070	.02557	-.01434	.00204	-.67212	.42196	-1.59279
.600	-8.503	-.01386	-.60339	.29020	.26879	.02020	-.01072	.00148	-.55382	.37832	-1.47822
.600	-6.391	-.01289	-.47186	.28787	.21097	.01716	-.00806	.00112	-.43688	.33861	-1.29022
.600	-4.307	-.01148	-.35027	.28560	.16373	.01493	-.00679	.00137	-.32783	.31110	-1.05380
.601	-2.223	-.00774	-.24087	.28407	.12097	.01064	-.00334	.00101	-.22967	.29320	-.78333
.600	-.140	-.00323	-.13406	.27933	.07925	.00540	-.00367	.00093	-.13340	.27966	-.47701
.600	1.894	-.00080	-.01180	.27058	.02910	.00368	-.00532	.00123	-.02102	.27002	-.07786
.601	4.047	-.00243	.12678	.26364	-.01765	.00653	-.00532	.00191	.08791	.27032	.32496
.600	6.133	.00097	.21942	.25580	-.06354	.00202	-.00339	.00139	.19073	.27877	.68418
.600	8.217	.00079	.34144	.24625	-.11391	.00145	-.00253	.00152	.30274	.29253	1.03489
.600	10.316	-.00143	.46791	.23505	-.16412	.00351	-.00282	.00182	.41826	.31504	1.32764
GRADIENT		.00120	.03474	-.00275	-.02177	-.00114	.00020	.00006	.04980	-.00499	.16503

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OF POOR QUALITY

LARC 9-TET-6-3 (1A43) CONFIGURATION 02/14/53

(RMCD04) 12 OCT 74

REFERENCE DATA

CRCP = 2880.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 SRCP = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 16/ 0 RVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CA	CLM	CY	CYN	CSL	CL	CD	L/D
.901	-11.193	-.02905	-.03809	.35448	.33461	.02645	-.01490	.00123	-.75334	.51043	-1.47390
.902	-8.980	-.02822	-.05501	.35065	.27255	.02415	-.01274	.00151	-.59241	.44838	-1.32121
.903	-6.753	-.02527	-.04983	.34263	.19912	.02107	-.01080	.00146	-.44614	.39785	-1.12137
.904	-4.564	-.01904	-.03455	.33448	.13409	.01582	-.00810	.00135	-.30687	.36004	-.05233
.901	-2.384	-.01344	-.01975	.32602	.07121	.01231	-.00713	.00141	-.17702	.33367	-.53032
.903	-.208	-.01009	-.00391	.31953	.00378	.01192	-.00859	.00173	-.04975	.31971	-.15961
.91	1.961	.02004	.08065	.31584	-.03016	.00622	-.00753	.00121	.06979	.31841	.21918
.901	4.126	.00129	.19676	.31600	-.08667	.00618	-.00818	.00123	.17351	.32934	.52683
.901	6.288	.00017	.31735	.31239	-.12546	.00694	-.00847	.00177	.28123	.34527	.81452
.903	8.466	-.00393	.44734	.31041	-.17764	.00908	-.00908	.00286	.39676	.37289	1.06402
.901	10.529	-.00257	.57147	.31318	-.22559	.00702	-.00697	.00290	.50445	.41028	1.22957
GRADIENT		.02249	.06141	-.00217	-.02591	-.00117	-.00203	-.00002	.05559	-.00353	.16148

RUN NO. 15/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CA	CLM	CY	CYN	CSL	CL	CD	L/D
1.130	-11.608	-.03633	-.02053	.49290	.38395	.02547	-.01300	.00158	-.60253	.66805	-1.20130
1.131	-9.311	-.03430	-.07181	.49228	.29939	.02267	-.01075	.00073	-.63001	.60013	-1.04980
1.131	-7.037	-.02998	-.03987	.48315	.22552	.01857	-.00798	.00084	-.47681	.54563	-.87348
1.131	-4.747	-.02317	-.03214	.47750	.15916	.01405	-.00584	.00093	-.32138	.50583	-.63535
1.130	-2.501	-.01662	-.02001	.47562	.09455	.01080	-.00309	.00076	-.18206	.49402	-.37515
1.133	-.269	-.00715	-.00503	.47302	.03243	.00651	-.00444	.00070	-.04979	.47326	-.10521
1.130	1.938	-.00498	.08429	.46790	-.02623	.00764	-.00684	.00127	.06841	.47049	.14540
1.133	4.137	-.00158	.22415	.46384	-.08792	.00755	-.00836	.00134	.19011	.47880	.39705
1.130	6.349	-.00314	.36454	.45553	-.14930	.01223	-.01228	.00184	.31193	.49305	.63265
1.129	8.552	-.00582	.49811	.45104	-.20598	.01386	-.01198	.00157	.42550	.52010	.81811
1.130	10.744	-.01256	.63117	.44484	-.23154	.01518	-.01221	.00321	.50771	.54912	.92459
GRADIENT		.03247	.06575	-.00158	-.02769	-.00073	-.00030	.00006	.05735	-.00306	.11647

LARC 8-TFT-693 (IA43) CONFIGURATION 02/74/55

(RHCD04) (12 OCT 74)

REFERENCE DATA

SREF = 2633.0000 36.17. XMRP = 976.0000 IN. XT
 LREF = 1230.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 14/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACN	A.FMA	BETA	CN	CA	CLM	CY	CYN	CL	CD	L/D
1.201	-11.635	-03762	-93099	.50614	.39568	.02360	-.01066	-.81690	.68597	-1.19087
1.201	-9.357	-03106	-.71970	.50126	.30019	.01789	-.00698	-.62863	.61161	-1.02783
1.200	-7.063	-02851	-.52988	.49473	.22267	.01573	-.00556	-.45503	.55613	-.83619
1.200	-4.778	-02119	-.32095	.48917	.14877	.01075	-.00312	-.30898	.51670	-.59799
1.200	-2.512	-01262	-.18807	.48534	.08051	.00582	-.00116	-.16662	.49311	-.33790
1.200	-.269	-00321	-.03807	.48073	.02087	.00196	-.00088	-.03581	.48092	-.07446
1.200	1.926	-00026	.08973	.47542	-.03141	.00305	-.00356	.07370	.47817	.15413
1.200	4.146	-00084	.22563	.47080	-.09132	.00528	-.00598	.19120	.48589	.39350
1.200	6.362	-00230	.36780	.46422	-.15056	.00857	-.00927	.31410	.50212	.62555
1.200	8.567	-00711	.50194	.46061	-.21009	.00953	-.00817	.42773	.53024	.80667
1.200	10.803	-01084	.62786	.45451	-.24888	.01060	-.00768	.53154	.56414	.94221
GRADIENT		.00239	.06424	-.00209	-.02657	-.00062	-.00036	.05569	-.00345	-.11107

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-L1 = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

LARC 8-TFT-693 (IA43) CONFIGURATION 02/74/52

(RHCD05) (12 OCT 74)

REFERENCE DATA

SREF = 2690.0000 36.17. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 21/ 0 RIVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	BETA	CN	CA	CLM	CY	CYN	CL	CD	L/D
.600	-10.598	-.01315	-.74497	.28961	.32240	.02345	-.01327	-.67900	.42169	-1.61020
.599	-8.491	-.01330	-.60400	.28858	.26397	.01914	-.00996	-.55476	.37460	-1.46093
.599	-6.360	-.01330	-.47591	.28637	.20969	.01768	-.00827	-.43607	.33691	-1.29431
.600	-4.298	-.01377	-.35098	.28485	.16327	.01412	-.00651	-.32863	.31037	-1.05980
.599	-2.226	-.00739	-.24467	.28280	.12096	.00986	-.00497	-.23350	.29209	-.79943
.600	-.130	-.00273	-.13400	.27786	.07796	.00462	-.00292	-.13337	.27816	-.47946
.599	1.971	-.00048	-.01592	.27074	.03019	.00291	-.00304	-.02323	.27003	-.09342
.599	4.046	.00231	.10790	.26294	-.01970	.00056	-.00294	.08908	.26990	.33004
.600	6.141	.00355	.21879	.25540	-.06523	.00221	-.00321	.19021	.27734	.68582
.600	8.237	.00065	.34352	.24485	-.11642	.00103	-.00188	.30490	.29154	1.04581
.599	10.333	-.00279	.46513	.23370	-.16462	.00360	-.00399	.41665	.31352	1.32894
GRADIENT		.00157	.05490	-.00228	-.02187	-.00163	-.00043	.04998	-.00493	-.16682

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-L1 = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 04 APR '85

TABULATED SOURCE DATA - LARC 693 (1A43)

(RNC003) (12 OCT 74

LARC 8-1FT-693 (1A43) CONFIGURATION 02/14/32

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LJ = .000 ELV-R1 = .000
 ELV-RD = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

REFERENCE DATA

3REF = 2690.0000 IN. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 20/ 0 RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.900	-11.178	-.02993	-.84123	.35410	.35540	.02711	-.01319	.00091	-.75663	.51046	-1.48223
.900	-8.930	-.02702	-.63550	.35033	.27222	.02350	-.01264	.00095	-.99301	.44803	-1.32355
.900	-6.742	-.02199	-.48838	.34341	.19845	.01849	-.00960	.00084	-.44469	.39038	-1.11625
.901	-4.544	-.02106	-.33478	.33564	.13470	.01748	-.00849	.00100	-.30714	.36111	-.85033
.900	-2.367	-.01432	-.19405	.32604	.07258	.01265	-.00702	.00088	-.18042	.33378	-.54053
.901	-.195	-.00921	-.04683	.31969	.00990	.01126	-.00630	.00140	-.04574	.31985	-.14300
.900	1.960	-.00256	.08056	.31502	-.05111	.00806	-.00825	.00105	.06984	.31760	.21989
.901	4.144	.00438	.19629	.31569	-.08741	.00361	-.00568	.00036	.17296	.32906	.32563
.901	6.305	.00171	.31591	.31130	-.12386	.00553	-.00766	.00138	.27982	.34411	.81316
.901	8.468	-.00464	.45032	.31026	-.19017	.00922	-.00843	.00254	.39972	.37319	1.07109
.900	10.641	-.00020	.57387	.30927	-.22735	.00486	-.00575	.00242	.50569	.40982	1.23637
	GRADIENT	.00296	.06160	-.00235	-.02617	-.00149	.00009	-.00004	.05577	-.00370	.16185

RUN NO. 18/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.130	-11.602	-.03508	-.92246	.49390	.38427	.02518	-.01327	.00124	-.80428	.66933	-1.20161
1.130	-9.300	-.03424	-.71820	.49069	.29831	.02292	-.01106	.00068	-.62927	.60027	-1.04832
1.130	-7.002	-.02897	-.53598	.48331	.22663	.01804	-.00781	.00054	-.47306	.54503	-.86792
1.129	-4.739	-.02109	-.36349	.47776	.15911	.01243	-.00487	.00029	-.32278	.50616	-.63769
1.130	-2.482	-.01643	-.23403	.47594	.09315	.01059	-.00491	.00041	-.18315	.48436	-.37812
1.129	-.271	-.00538	-.05403	.47379	.03321	.00552	-.00361	.00024	-.05179	.47404	-.10925
1.130	1.932	-.00199	.08375	.46935	-.02477	.00507	-.00516	.00079	.06486	.47241	.13729
1.130	4.154	.00107	.22324	.46511	-.08792	.00603	-.00779	.00082	.18889	.48106	.39266
1.129	6.280	-.00328	.36524	.45576	-.15087	.01106	-.01176	.00146	.31333	.49353	.63474
1.128	8.554	-.00553	.49491	.45080	-.23606	.01122	-.01087	.00114	.42235	.51940	.81315
1.129	10.772	-.01081	.60847	.44446	-.23600	.01435	-.01167	.00261	.51468	.55035	.95318
	GRADIENT	.00263	.06566	-.00132	-.02765	-.00383	-.00027	.00007	.05725	-.00281	.11399

DATE 04 APR 79

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 11

(RMCO03) (12 OCT 74)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BRP = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 19/ 0 RWL = 4.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.200	-11.687	-.03652	-.93927	.50664	.39579	.02275	-.01016	.00141	-.81717	.68640	-1.19052
1.201	-9.354	-.03372	-.72260	.50252	.39248	.01975	-.00800	.00129	-.63131	.61329	-1.02930
1.200	-7.052	-.03093	-.52926	.49581	.22194	.01721	-.00530	.00116	-.46438	.55704	-.83366
1.203	-4.757	-.02422	-.34982	.48972	.14792	.01224	-.00330	.00093	-.30801	.51704	-.59570
1.203	-2.515	-.01589	-.19006	.48622	.08149	.00832	-.00230	.00064	-.16855	.49409	-.34113
1.203	-.259	-.00709	-.03786	.48178	.02092	.00420	-.00178	.00046	-.03569	.48195	-.07405
1.203	1.938	.00002	.09124	.47654	-.03201	.00223	-.00270	.00062	.07507	.47935	.19661
1.203	4.159	.00204	.22846	.47293	-.09223	.00350	-.00518	.00074	.19356	.48826	.39642
1.203	6.395	-.00324	.36529	.46525	-.15054	.00683	-.00915	.00145	.31120	.50304	.61863
1.203	8.587	-.00439	.50237	.45084	-.21059	.00792	-.00750	.00196	.42794	.53069	.80639
1.203	10.807	-.00906	.62564	.45519	-.24913	.00931	-.00695	.00118	.52920	.56442	.93759
GRADIENT		.00307	.06453	-.00194	-.02665	-.00105	-.00017	-.00002	.05596	-.00325	.11139

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57

(RMCO06) (12 OCT 74)

REFERENCE DATA

SREF = 2680.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BRP = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 27/ 0 RWL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.601	-10.562	-.01605	-.74928	.29148	.32500	.02483	-.01408	.00121	-.68300	.42413	-1.61036
.601	-8.474	-.01471	-.60358	.29030	.26538	.02207	-.01215	.00112	-.59619	.37637	-1.47779
.600	-6.372	-.01173	-.47439	.28769	.21311	.01616	-.00799	.00058	-.43951	.33876	-1.29738
.601	-4.292	-.00878	-.35655	.28513	.16673	.01164	-.00548	.00044	-.33421	.31102	-1.07458
.600	-2.196	-.00551	-.24942	.28377	.12569	.00965	-.00329	.00031	-.23835	.29313	-.81311
.603	-.121	-.00446	-.13810	.27922	.08215	.00704	-.00415	.00031	-.13751	.27932	-.49196
.600	1.999	.00202	-.02110	.27193	.03458	.00312	-.00212	.00024	-.03038	.27105	-.11208
.599	4.072	.00207	.10222	.26545	-.01420	.00103	-.00327	.00071	.08111	.27169	.29633
.600	6.161	.00286	.21626	.25765	-.05170	.00204	-.00331	.00106	.18736	.27937	.67084
.599	8.248	-.00017	.34259	.24760	-.11398	.00277	-.00317	.00134	.30353	.29418	1.03178
.600	10.343	-.00137	.46547	.23749	-.16331	.00414	-.00344	.00141	.41527	.31721	1.30913
GRADIENT		.00145	.05468	-.00245	-.02169	-.00147	-.00036	.00002	.04973	-.00480	.16506

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 S'DBRK = .000 BDFLAP = .000

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 S'DBRK = .000 BDFLAP = .000

(1A4306) (12 OCT 74)

LARC 3-REF-033 (1A43) CONFIGURATION 02/74/97

REFERENCE DATA

3-REF = 2830.0000 IN. FT. X-REF = 976.0000 IN. FT.
 3-REF = 1290.3000 INCHES Y-REF = 5000 IN. FT.
 3-REF = 1290.3000 INCHES Z-REF = 400.0000 IN. FT.
 SCALE = .0100

PARAMETRIC DATA

MACN	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.001	-13.933	-.02225	-.79328	.31366	.35094	.02478	-.01937	.00178	-.71920	.45987	-1.98732
.001	-6.784	-.02130	-.64255	.30897	.26743	.02208	-.01273	.00155	-.58783	.40347	-1.45693
.001	-6.029	-.02055	-.49028	.30304	.23739	.02044	-.01112	.00140	-.43179	.35960	-1.25637
.001	-4.459	-.01627	-.35346	.29939	.15511	.01550	-.00802	.00106	-.32911	.32396	-1.00968
.001	-2.317	-.00933	-.23321	.29446	.10931	.00913	-.00516	.00037	-.22112	.30365	-.72820
.001	-1.183	-.00116	-.11392	.28853	.10593	.00358	-.00369	.00030	-.11300	.28889	-.39114
.001	1.962	.00215	.01479	.28176	.00629	.00179	-.00358	.00035	.00513	.28210	.01820
.001	4.124	.00312	.14610	.27846	-.04519	.00229	-.00482	.00090	.12584	.28625	.43962
.001	6.259	.00224	.27950	.27233	-.10430	.00369	-.00593	.00076	.24820	.30118	.82409
.001	8.407	.00157	.40575	.27163	-.15178	.00284	-.00447	.00131	.36167	.32809	1.10235
.001	10.595	-.00242	.52915	.27203	-.19446	.00527	-.00596	.00208	.47037	.36435	1.29096
GRADIENT		.00232	.05816	-.00273	-.02349	-.00157	.00037	-.00002	.03298	-.00470	.16999

RUN NO. 26/ 0 RV/L = 3.78 GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 25/ 0 RV/L = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.000	-11.165	-.03146	-.83956	.35276	.35439	.02838	-.01581	.00078	-.75536	.50865	-1.48503
.000	-8.938	-.02751	-.63536	.34815	.27298	.02452	-.01358	.00132	-.59390	.44584	-1.33211
.000	-6.725	-.02223	-.49391	.34053	.20220	.01896	-.01003	.00118	-.45064	.39603	-1.13788
.000	-4.515	-.02148	-.33941	.33242	.13866	.01792	-.00924	.00117	-.31218	.35811	-.87176
.000	-2.350	-.01458	-.19332	.32415	.07660	.01348	-.00765	.00100	-.18551	.33207	-.55863
.000	-1.186	-.00775	-.03222	.31724	.00605	.01040	-.00808	.00134	-.05119	.31741	-.16128
.000	1.981	.00088	.07675	.31502	-.04601	.00584	-.00755	.00098	.06583	.31749	.20735
.000	4.140	.00399	.18910	.31563	-.08073	.00406	-.00720	.00105	.16574	.32946	.50307
.001	6.313	.00494	.31213	.31204	-.12234	.00331	-.00685	.00103	.27592	.34446	.80102
.001	8.495	-.00135	.44708	.31070	-.17769	.00772	-.00853	.00226	.39634	.37326	1.06182
.001	10.643	-.00287	.57547	.31145	-.22753	.00776	-.00768	.00290	.50804	.41258	1.23197
GRADIENT		.00309	.06155	-.00188	-.02593	-.00163	.00019	-.00001	.03576	-.00332	.16239

DATE 04 APR 73 TABULATED SOURCE DATA - LARC 693 (1A43)

(RHC006) (12 OCT 74)

LARC 8-TET-693 (1A43) CONFIGURATION 02/14/57

PARAMETRIC DATA

REFERENCE DATA

BERT = 2890.0000 IN. FT. MRP = 976.0000 IN. XT
 BET = 1235.3000 INCHES YMR = 0.0000 IN. YT
 BERT = 1230.3000 INCHES ZMR = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 23/ 0 RUN/L = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.900	-11.382	-.03390	-.89751	.43964	.37669	.02738	-.01471	.00066	-.79309	.60812	-1.30417
.901	-9.110	-.03330	-.69457	.43664	.28784	.02345	-.01204	.00055	-.61667	.54110	-1.13966
.901	-6.847	-.02649	-.51670	.42985	.21751	.01900	-.03880	.00066	-.46177	.48839	-.94549
.901	-4.634	-.02072	-.36156	.42398	.15735	.01344	-.00520	.00043	-.32612	.45181	-.72182
.901	-2.424	-.01267	-.21649	.41782	.10190	.00757	-.03241	.00004	-.19863	.42660	-.46360
.901	-.223	-.00468	-.07667	.41531	.04386	.00380	-.00210	-.00005	-.07105	.41559	-.17097
.900	1.963	.00162	.06991	.40964	-.02324	.00087	-.00191	-.00006	.05393	.41179	.13559
.900	4.158	.00534	.20633	.41487	-.08340	-.00028	-.00251	-.00019	.17371	.42873	.40983
.900	6.333	-.00147	.34308	.40775	-.13461	.00817	-.00908	.00041	.29601	.44310	.66805
.900	8.327	-.00392	.47206	.40397	-.18496	.01122	-.01144	.00219	.40694	.46950	.86676
.900	10.703	-.00249	.59341	.40795	-.22834	.00819	-.00854	.00269	.50732	.51106	.99270
.979	GRADIENT	.00302	.06473	-.00120	-.02734	-.00155	.00027	-.00006	.05726	-.00278	.13037

RUN NO. 23/ 0 RUN/L = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.130	-11.804	-.03536	-.92866	.49307	.39072	.02557	-.01360	.00159	-.81049	.68979	-1.21007
1.132	-9.285	-.03776	-.72826	.48906	.30539	.02533	-.01229	.00097	-.63683	.59967	-1.06199
1.131	-7.014	-.02893	-.54143	.48131	.23278	.01883	-.00880	.00091	-.47860	.54383	-.88006
1.130	-4.732	-.02345	-.36885	.47561	.16419	.01481	-.00662	.00066	-.32836	.50442	-.65097
1.130	-2.482	-.01462	-.20689	.47327	.09792	.01014	-.00324	.00038	-.18620	.48179	-.38647
1.130	-.262	-.00842	-.05707	.47087	.03588	.00790	-.00551	.00058	-.05492	.47115	-.11657
1.130	1.952	.00172	.07877	.46481	-.02359	.00381	-.00542	.00042	.06290	.46723	.13462
1.130	4.161	.00337	.21951	.46256	-.08592	.00527	-.00796	.00065	.18337	.47727	.38840
1.130	6.382	-.00218	.36626	.45521	-.14981	.01109	-.01234	.00105	.31339	.49310	.63553
1.130	8.580	-.00838	.48810	.45254	-.20709	.01365	-.01243	.00088	.41512	.52030	.79786
1.130	10.772	-.01025	.59918	.44576	-.22985	.01422	-.01217	.00257	.50531	.54989	.91893
1.129	GRADIENT	.00315	.06382	-.00155	-.02798	-.00114	-.00013	-.00000	.05746	-.00311	.11701

ORIGINAL PAGE IS
OF POOR QUALITY

LARC 8-TFT-693 (IA43) CONFIGURATION 02/74/57

(RHCD006) (12 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BRUF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

RUN NO. 22/ 0 RV/L = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.200	-11.663	-.03395	-.94074	.50543	.39698	.02201	-.01049	.00165	-.81914	.68317	-1.19553
1.200	-9.335	-.03244	-.72659	.50103	.39443	.01907	-.00777	.00135	-.63570	.61224	-1.03831
1.200	-7.034	-.02695	-.53293	.49389	.22597	.01523	-.00579	.00109	-.46844	.55543	-.84337
1.201	-4.745	-.02399	-.35139	.48780	.15066	.01302	-.00455	.00117	-.30984	.51519	-.60140
1.200	-2.504	-.01563	-.19186	.48319	.08354	.00851	-.00302	.00073	-.17057	.49111	-.34732
1.200	-.249	-.00897	-.03987	.47866	.02245	.00654	-.00396	.00079	-.03779	.47883	-.07881
1.201	1.932	-.00045	.09273	.47212	-.03293	.00376	-.00433	.00078	.07680	.47500	-.16126
1.201	4.169	-.00123	.22766	.46999	-.09211	.00600	-.00667	.00112	.19289	.48530	.39747
1.201	6.396	-.00048	.36563	.46434	-.15056	.00764	-.00900	.00110	.31171	.50213	.62077
1.200	8.584	-.00397	.49891	.46132	-.20778	.00812	-.00793	.00183	.42446	.53062	.79994
1.200	10.810	-.00954	.61781	.45525	-.24304	.00916	-.00703	.00197	.52146	.56304	.92614
GRADIENT		.00273	.06475	-.00210	-.02702	-.00084	-.00025	-.00000	.05622	-.00342	-.11248

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BRUF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

LARC 8-TFT-693 (IA43) CONFIGURATION 02/74/57

(RHCD007) (12 OCT 74)

RUN NO. 32/ 0 RV/L = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.601	-10.346	-.10789	-.08242	.28747	.05212	.40436	-.17082	.03353	-.08188	.28763	-.28468
.601	-8.280	-.10918	-.08658	.28680	.05370	.32849	-.14340	.04550	-.08603	.28677	-.30000
.599	-6.214	-.11696	-.10256	.28568	.06388	.24983	-.11190	.03462	-.09997	.28588	-.34970
.600	-4.152	-.12482	-.11225	.28553	.06992	.17187	-.07924	.02315	-.11163	.28578	-.39062
.601	-2.037	-.13608	-.12614	.28372	.07465	.09022	-.04359	.01150	-.12547	.28402	-.44176
.600	-.027	-.14030	-.13474	.27893	.07902	.01213	-.00758	.00118	-.13406	.27923	-.48009
.600	2.030	-.14431	-.13600	.28051	.07632	-.06347	.02758	-.00803	-.13529	.28085	-.48172
.600	4.092	-.14184	-.12634	.28295	.06753	-.14401	.06422	-.01925	-.12584	.28327	-.44355
.599	6.156	-.14065	-.11700	.28465	.05738	-.22767	.10260	-.03146	-.11630	.28493	-.40815
.599	8.233	-.13722	-.10472	.28485	.04607	-.30905	.13557	-.04191	-.10403	.28510	-.36490
.599	10.288	-.13251	-.09157	.28314	.03437	-.38721	.16558	-.05187	-.09092	.28335	-.32087
GRADIENT		-.00205	-.00185	-.00041	-.00015	-.03812	.01758	-.00506	-.00184	-.00040	-.00708

TABULATED SOURCE DATA - LARC 693 (IA43)

(NHCD007) (12 OCT 74)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/74/57

REFERENCE DATA

SREF = 2890.0000 SQ. FT. XMRP = 976.0000 IN. XT
 SREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 SREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

RUN NO. 31/ 0 RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.900	-10.647	-.20272	-.05656	.35586	.02301	.48466	-.21865	.06464	-.05530	.35605	-.15532
.899	-8.524	-.09399	-.04760	.35064	.01814	.38990	-.18016	.05273	-.04643	.35084	-.13233
.900	-6.396	-.19004	-.04689	.34532	.01673	.29727	-.14117	.04030	-.04575	.34548	-.13242
.899	-4.258	-.19572	-.04655	.33713	.01048	.20731	-.10156	.02756	-.04340	.33729	-.13459
.900	-2.159	-.20306	-.04825	.32775	.00555	.11459	-.05834	.01362	-.04709	.32792	-.14359
.899	-.039	-.21715	-.06036	.31761	.00893	.02073	-.01383	.00261	-.05916	.31784	-.18612
.899	2.096	-.21834	-.05804	.32431	.00663	-.06002	.03546	-.00863	-.03691	.32453	-.17505
.899	4.203	-.22009	-.06054	.33346	.01105	-.17103	.07824	-.02197	-.05926	.33369	-.17760
.899	6.333	-.22082	-.06411	.33682	.01569	-.26541	.12280	-.03582	-.06261	.33706	-.18633
.899	8.455	-.22134	-.06266	.34207	.01490	-.35666	.16212	-.04809	-.06134	.34231	-.17920
.899	10.585	-.22131	-.05862	.34556	.01073	-.44981	.19596	-.06019	-.05728	.34578	-.16565
GRADIENT		-.00302	-.00178	-.00051	.00011	-.04488	.02139	-.00572	-.00177	-.00050	-.00534

RUN NO. 30/ 0 RIVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.900	-10.749	-.24191	-.05777	.44201	.03198	.51011	-.22372	.07356	-.05590	.44225	-.12640
.901	-8.609	-.22727	-.04763	.44116	.02798	.40462	-.18146	.06109	-.04598	.44135	-.10396
.903	-6.439	-.22533	-.03198	.43347	.03314	.30530	-.14093	.04694	-.05026	.43587	-.11537
.901	-4.310	-.22973	-.03770	.43029	.03647	.20807	-.09743	.03223	-.05598	.43051	-.13002
.900	-2.162	-.23247	-.06204	.42098	.03790	.11253	-.05515	.01690	-.06033	.42123	-.14323
.903	-.040	-.24866	-.07652	.41411	.04451	.01562	-.03819	.00197	-.07472	.41444	-.18029
.900	2.099	-.25295	-.07787	.41903	.04476	-.08429	.03882	-.01281	-.07602	.41934	-.18129
.900	4.230	-.25208	-.07183	.42651	.03955	-.17528	.07891	-.02745	-.06996	.42683	-.16390
.900	6.366	-.25261	-.06517	.42856	.03113	-.27013	.12112	-.04236	-.06328	.42884	-.14756
.900	8.529	-.25517	-.05905	.43164	.02291	-.37110	.16183	-.05648	-.05712	.43190	-.13226
.900	10.673	-.25810	-.06097	.43326	.01790	-.47109	.20079	-.06884	-.05895	.43354	-.13596
GRADIENT		-.07305	-.00207	-.00045	.00061	-.04515	.02093	-.00699	-.00204	-.00043	-.00496

ORIGINAL PAGE IS
 OF POOR QUALITY

LARC 8-TPT-693 (IA43) CONFIGURATION 02/4/57

(RHCD07) (12 OCT 74)

REFERENCE DATA

REF = 4690.1200 90. FT. XREF = 976.0000 IN. XT
 LREF = 1295.3000 INCHES YREF = .0000 IN. YT
 BREF = 1295.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPD3RK = .000 BDFLAP = .000

RUN NO. 29/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.130	-10.847	-2.6042	-.02684	.48283	.00735	.49489	-.20208	.07650	-.02465	.48295	-.05104
1.131	-8.661	-2.4742	-.02342	.48547	.01101	.38920	-.16331	.06288	-.02132	.48556	-.04391
1.133	-6.489	-2.4540	-.03124	.48408	.02145	.28935	-.12492	.04871	-.02917	.48421	-.08024
1.130	-4.335	-2.5311	-.04077	.48052	.02828	.19786	-.08821	.03330	-.03864	.48070	-.08039
1.130	-2.164	-2.5935	-.04646	.47595	.03085	.10333	-.04884	.01710	-.04430	.47615	-.09304
1.130	-.040	-2.7313	-.05598	.47129	.03412	.01484	-.00816	.00218	-.05373	.47155	-.11395
1.130	2.114	-2.7706	-.05346	.47244	.03153	-.07837	.05348	-.01296	-.05318	.47270	-.11230
1.130	4.250	-2.7745	-.05220	.47659	.02831	-.16787	.07345	-.02914	-.04989	.47683	-.10463
1.129	6.413	-2.7805	-.04669	.47889	.02159	-.25870	.11011	-.04440	-.04437	.47911	-.09261
1.130	8.572	-2.8330	-.03959	.47982	.01009	-.35515	.14345	-.05782	-.03722	.48001	-.07754
1.129	10.756	-2.9219	-.03870	.47735	.00346	-.45744	.18095	-.07125	-.03627	.47735	-.07595
GRADIENT		-.00310	-.00149	-.00353	.00004	-.04267	.01901	-.00722	-.00146	-.00052	-.00317

RUN NO. 28/ 0 RIVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.200	-10.871	-2.7737	-.02794	.49645	.00740	.50478	-.21010	.07683	-.02354	.49658	-.05143
1.200	-8.688	-2.5688	-.01901	.49703	.00726	.39323	-.16506	.06252	-.01677	.49711	-.03373
1.200	-6.504	-2.5367	-.02468	.49502	.01554	.28842	-.12353	.04789	-.02249	.49513	-.04542
1.200	-4.341	-2.5968	-.03260	.49012	.02109	.19381	-.08301	.03215	-.03039	.49026	-.06196
1.200	-2.186	-2.6954	-.03920	.48471	.02276	.10290	-.04712	.01644	-.03692	.48488	-.07615
1.200	-.048	-2.7724	-.04462	.47859	.02402	.01366	-.00836	.00179	-.04230	.47880	-.08834
1.201	2.110	-2.8126	-.04395	.47942	.02120	-.07839	.03453	-.01251	-.04149	.47963	-.08651
1.200	4.261	-2.8811	-.04526	.48482	.02180	-.16720	.07148	-.02829	-.04382	.48504	-.08034
1.200	6.423	-2.8961	-.04264	.48727	.01735	-.26034	.10889	-.04370	-.04018	.48748	-.08242
1.200	8.610	-2.9864	-.04051	.48709	.00963	-.35995	.14684	-.05751	-.03797	.48729	-.07792
1.200	10.785	-3.1213	-.04392	.48637	.00648	-.46752	.18628	-.07157	-.04127	.48660	-.08480
GRADIENT		-.00318	-.00149	-.00374	-.00001	-.04231	.01836	-.00697	-.00146	-.00073	-.00312

DATE 24 APR 75 TABULATED SOURCE DATA - LARC 693 (1A43)

(RHC005) (12 OCT 74)

LARC 8-TST-693 (1A43) CONFIGURATION 02/74/91

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SEDBRK = .000 BOFLAP = .000

REFERENCE DATA

REF = 2690.0000 SQ. FT. XREF = 976.0000 IN. XT
REF = 1230.3000 INCHES YREF = .0000 IN. YT
REF = 1230.3000 INCHES ZREF = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 36/ 0 RIVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.600	-10.644	-.01651	-.77690	.27797	.34038	.02370	-.01219	.02248	-.71220	.41668	-1.70922
.600	-8.536	-.01334	-.63317	.27795	.28150	.01744	-.00786	.00177	-.38490	.36885	-1.58373
.600	-6.417	-.01251	-.50284	.27735	.22770	.01525	-.00613	.00140	-.46670	.33159	-1.40748
.600	-4.342	-.01024	-.37995	.27679	.18126	.01177	-.00417	.00134	-.35790	.30476	-1.17435
.600	-2.246	-.00885	-.26930	.27326	.13799	.01077	-.00343	.00140	-.25959	.28361	-.91176
.600	-.163	-.00232	-.16089	.26774	.09468	.00348	-.00174	.00115	-.16013	.26820	-.59705
.600	1.927	-.00111	-.04130	.25912	.04384	.00335	-.00237	.00157	-.04998	.23758	-.19407
.600	4.023	-.00101	-.08447	.25409	-.00749	.00397	-.00380	.00191	.06644	.25939	-.25612
.600	6.104	.00035	.20433	.24372	-.05785	.00235	-.00318	.00156	.17704	.26605	.56544
.600	8.206	-.00070	.32442	.23284	-.10788	.00276	-.00264	.00183	.26786	.27676	1.94013
.600	10.301	-.00190	.45890	.21830	-.16261	.00413	-.00310	.00226	.41247	.29684	1.58932
GRADIENT		.00123	.05535	-.00285	-.00236	-.00110	.00010	.00006	.05058	-.00359	.17121

RUN NO. 35/ 0 RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.900	-11.244	-.03298	-.87982	.34125	.37660	.02838	-.01482	.00137	-.79639	.50825	-1.57311
.899	-9.017	-.02996	-.69680	.33608	.29496	.02533	-.01310	.00175	-.63552	.44114	-1.44063
.900	-6.812	-.02510	-.53297	.32860	.22420	.01959	-.00911	.00139	-.49024	.36930	-1.25863
.899	-4.611	-.02214	-.37731	.32097	.15938	.01649	-.00711	.00135	-.35029	.35026	-1.00010
.899	-2.417	-.01532	-.23124	.31475	.09690	.01258	-.00635	.00140	-.21776	.32422	-.87165
.900	-.252	-.00734	-.09266	.31275	.03165	.00961	-.00737	.00161	-.09128	.31315	-.29148
.900	1.932	-.00376	.04410	.30951	-.02504	.00675	-.00598	.00135	.03364	.31062	.10822
.900	4.101	-.00239	.16707	.30733	-.06853	.00621	-.00727	.00131	.14467	.31849	.45423
.900	6.254	-.00148	.29524	.30223	-.11602	.00696	-.00813	.00128	.26057	.33256	.76351
.900	8.443	-.00061	.43500	.29861	-.17378	.01064	-.00999	.00126	.36644	.35924	1.07573
.900	10.605	-.00394	.55607	.29231	-.21918	.01790	-.00602	.00294	.49267	.39024	1.26247
GRADIENT		.00253	.06265	-.00149	-.00269	-.00121	.00000	.00001	.05701	-.00334	.16940

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 04 APR 73

TABULATED SOURCE DATA - LARC 693 (1A43)

PAGE 10

LARC 8-TPT-693 (1A43) CONFIGURATION 02/74/31

(RHC008) (12 OCT 74)

REFERENCE DATA

SREF = 2830.0000 SQ.FT. WHP = 876.0000 IN. XT
 LINE7 = 1290.3000 INCHES WHP = .0000 IN. YT
 BREF = 1290.3000 INCHES WHP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPOBK = .000 BDFLAP = .000

RUN NO. 34/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CA	CLM	CY	CYN	CL	CD	L/D
1.130	-11.691	-.03399	-.96800	.47805	.41619	.02443	-.01308	-.83103	.66428	-1.28116
1.130	-9.367	-.03324	-.76116	.47400	.32830	.02388	-.01173	-.67386	.59137	-1.13911
1.130	-7.073	-.02863	-.57774	.46730	.25479	.01806	-.00800	-.51583	.53483	-.96444
1.130	-4.850	-.02452	-.40504	.46375	.18570	.01467	-.00594	-.36481	.49802	-.73348
1.130	-2.340	-.01517	-.24233	.46031	.11835	.00985	-.00460	-.22169	.47080	-.47109
1.130	-.372	-.00810	-.08626	.45583	.05248	.00551	-.00421	-.08370	.45631	-.18343
1.130	1.904	-.00036	.05953	.44903	-.01317	.00509	-.00388	.04458	.45076	.09890
1.130	4.113	-.00033	.20378	.44688	-.07973	.00733	-.00920	.1721	.46033	.37191
1.130	6.331	-.00081	.34900	.43844	-.14377	.00896	-.01043	.29852	.47425	.62946
1.130	8.532	-.00534	.48242	.43176	-.20209	.01219	-.01213	.41303	.49856	.82844
1.130	10.728	-.00954	.59769	.42303	-.23560	.01361	-.01179	.50850	.52690	.96509
GRADIENT		.03289	.06824	-.00232	-.02974	-.00087	-.00033	.06010	-.00410	.12504

RUN NO. 33/ 0 RVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CA	CLM	CY	CYN	CL	CD	L/D
1.200	-11.748	-.03615	-.97819	.49130	.42381	.02323	-.01091	-.85755	.68076	-1.23969
1.200	-9.404	-.03222	-.76186	.48346	.32926	.01935	-.00820	-.67230	.60341	-1.11417
1.200	-7.084	-.02828	-.56793	.47950	.24948	.01628	-.00643	-.50445	.54588	-.92411
1.200	-4.812	-.02402	-.38779	.47560	.17367	.01270	-.00415	-.34653	.50546	-.68422
1.200	-2.553	-.01297	-.22270	.47099	.10381	.00595	-.00237	-.20151	.48044	-.41942
1.200	-.319	-.00431	-.07105	.46518	.04197	.00299	-.00161	-.05845	.46547	-.14706
1.200	1.908	-.00094	.05916	.45799	-.01931	.00320	-.00342	.05387	.46004	.11710
1.200	4.117	-.00030	.20709	.45525	-.08159	.00442	-.00600	.17387	.45893	.37076
1.200	6.340	-.00022	.34933	.44756	-.14239	.00662	-.00809	.29776	.48350	.61583
1.200	8.555	-.00508	.48858	.44200	-.20397	.00907	-.00857	.41730	.50984	.81849
1.200	10.790	-.00882	.61685	.43484	-.24576	.01958	-.00752	.52454	.54263	.96666
GRADIENT		.03278	.06539	-.00241	-.02839	-.00089	-.00021	.05808	-.00429	.11838

DATE 04 APR 75 TABULATED SOURCE DATA - LARC 893 (1A43)

(RHC009) (12 OCT 74)

LARC 8-TFT-693 (1A43) CONFIGURATION 08/12/37

PARAMETRIC DATA

REFERENCE DATA

SREF = 2890.0000 SQ.FT. WARP = 976.0000 IN. XT
 LREF = 1290.3300 INCHES WARP = .0700 IN. YT
 BREF = 1290.3300 INCHES ZARP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 39/ 0 RIVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.593	-13.618	-.01282	-.74709	.29181	.32364	.02072	-.01226	.00138	-.68053	.42447	-1.60325
.603	-8.535	-.01308	-.60946	.29356	.26790	.01957	-.01070	.00105	-.55979	.37750	-1.48289
.603	-6.385	-.01130	-.47722	.28866	.21343	.01553	-.00764	.00050	-.44216	.33984	-1.30070
.593	-4.239	-.00924	-.35505	.28591	.15593	.01208	-.00551	.00035	-.33262	.31172	-1.06707
.593	-2.207	-.00622	-.24886	.28493	.12572	.00906	-.00484	.00029	-.23771	.29430	-.80771
.593	-.113	-.00148	-.14016	.28016	.08266	.00316	-.00236	-.00003	-.13960	.26044	-.49781
.603	1.990	-.00078	-.01971	.27278	.03412	.00371	-.00371	.00040	-.02898	.27195	-.10857
.593	4.041	.00318	.09883	.26640	-.01379	-.00059	-.00242	.00050	.07981	.27270	.29268
.603	6.143	.00245	.21602	.25895	-.05208	-.00021	-.01216	.00049	.18708	.28057	.66877
.593	8.245	.00037	.33972	.24331	-.11242	.00181	-.03255	.00114	.30046	.29545	1.01696
.593	10.340	-.00127	.46322	.23845	-.16240	.00351	-.02297	.00129	.41290	.31772	1.29955
GRADIENT		.00145	.05456	-.00245	-.02174	-.00147	.00035	.00002	.04960	-.00482	-.16414

RUN NO. 38/ 0 RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.901	-11.211	-.02861	-.84585	.35297	.35843	.02537	-.01385	.00051	-.76108	.51069	-1.49028
.923	-8.953	-.02780	-.66087	.34872	.27505	.02419	-.01296	.00091	-.59855	.44732	-1.33808
.903	-6.745	-.02230	-.49394	.34151	.20234	.01879	-.00977	.00096	-.45041	.39716	-1.13406
.923	-4.538	-.01850	-.34172	.33284	.14012	.01456	-.00690	.00072	-.31431	.35883	-.87593
.899	-2.355	-.01335	-.19616	.32433	.07627	.01182	-.00657	.00092	-.18267	.33212	-.55001
.899	-.222	-.00848	-.05786	.31831	.00942	.01062	-.00794	.00120	-.05663	.31823	-.17796
.901	1.990	-.00119	.07682	.31691	-.04605	.00719	-.00800	.00089	.06599	.31934	.23664
.923	4.122	.00472	.18912	.31720	-.07939	.00298	-.00632	.00047	.16583	.32998	.50255
.923	6.292	.00525	.31208	.31239	-.12244	.00241	-.00595	.00081	.27596	.34472	.80054
.903	8.462	-.00491	.44579	.31143	-.17774	.00967	-.00982	.00254	.39510	.37964	1.05745
.923	10.650	-.00244	.57432	.31166	-.22783	.00632	-.00621	.00239	.50680	.41263	1.22822
GRADIENT		.00271	.06172	-.00179	-.02595	-.00129	-.00001	-.00002	.05590	-.00326	-.16246

LARC 8-TPT-693 (IA43) CONFIGURATION 02/12/57

(RHC009) (12 OCT 74)

REFERENCE DATA

XREF = 2690.0000 39. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 SREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 37/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDBRK = .000 BOFLAP = .000

MAON	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.130	-11.629	-.03418	-.93228	.49390	.39253	.02448	-.01296	.00150	-.61359	.67169	-1.21126
1.130	-9.315	-.03604	-.72673	.48960	.30659	.02395	-.01144	.00082	-.63789	.60078	-1.06178
1.130	-7.022	-.02699	-.54723	.48171	.23535	.01662	-.00730	.00057	-.48423	.54499	-.88850
1.130	-4.742	-.02242	-.36906	.47610	.16453	.01359	-.00565	.00050	-.32843	.50498	-.65039
1.130	-2.504	-.01329	-.20898	.47337	.09945	.00905	-.00456	.00013	-.18810	.48204	-.39021
1.130	-.282	-.00761	-.05736	.47117	.03640	.00699	-.00479	.00030	-.05504	.47145	-.11675
1.129	1.953	-.00185	.07959	.46546	-.02375	.00374	-.00605	.00065	.06368	.46790	.13610
1.129	4.129	.00346	.21886	.46306	-.08576	.00438	-.00695	.00046	.18495	.47762	.38725
1.129	6.350	-.00307	.35866	.45568	-.14682	.00863	-.01038	.00047	.30604	.49275	.62108
1.123	8.552	-.00573	.48892	.45272	-.19991	.01060	-.01002	.00029	.41617	.52039	.79972
1.123	10.737	-.00908	.59845	.44702	-.23096	.01434	-.01250	.00255	.50469	.55069	.91647
GRADIENT		.00285	.06597	-.00153	-.02810	-.00098	-.00016	.00302	.05760	-.00311	.11720

REFERENCE DATA

XREF = 2690.0000 39. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 SREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57

(RHC010) (12 OCT 74)

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDBRK = .000 BOFLAP = .000

RUN NO. 43/ 0 RIVL = 3.97 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.900	-11.136	-.02519	-.77429	.35771	.29826	.02094	-.01050	.00070	-.69063	.50053	-1.37680
.959	-8.901	-.02143	-.59316	.35204	.21940	.01728	-.00836	.00138	-.53155	.43957	-1.20924
.970	-6.711	-.01911	-.43643	.34502	.15352	.01453	-.00646	.00134	-.39312	.39365	-.99884
.833	-4.516	-.01830	-.28760	.33545	.09389	.01349	-.00571	.00126	-.26022	.35805	-.72677
.399	-2.319	-.01097	-.14739	.32790	.03334	.00847	-.00389	.00124	-.13401	.33360	-.40170
.873	-.164	-.00444	-.00241	.32106	-.03717	.00575	-.00439	.00152	-.00147	.32106	-.00457
.920	2.013	.00205	.13177	.31860	-.09232	.00291	-.00469	.00136	.12050	.32303	.37302
.970	4.166	.00227	.24885	.31957	-.13124	.00346	-.00548	.00080	.22498	.33681	.66797
.920	6.341	.00644	.37747	.31451	-.17809	-.00350	-.00312	.00059	.34042	.33428	.96089
.833	8.529	.00174	.50581	.31240	-.22818	.00184	-.00323	.00190	.45369	.36396	1.18214
.833	10.609	-.00386	.62332	.31497	-.26310	.00358	-.00382	.00189	.55424	.42492	1.30435
GRADIENT		.00290	.06232	-.00199	-.02656	-.00118	-.00002	-.00004	.05646	-.00245	.16428

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (1A43)

PAGE 21

LARC 8-TPT-693 (1A43) CONFIGURATION: 02/T4/S7

(RHC010) (12 OCT 74)

REFERENCE DATA

SREF = 2690.0000 IN. FT. YMRP = 976.0000 IN. XT
 ZREF = 1290.0000 INCHES YMRP = .0000 IN. YT
 SREF = 1290.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = 0.000 ELV-RI = 0.000
 ELV-RO = .000 RUDDER = .000
 SDBRK = .000 BDFLAP = .000

RUN NO. 42/ 0 RIVL = 4.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.300	-11.359	-.03102	-.89219	.44824	.33527	.02347	-.01193	.00087	-.74751	.60347	-1.23458
.351	-9.333	-.02601	-.64941	.44313	.24928	.01848	-.00834	.00057	-.57122	.54019	-1.03744
.401	-6.837	-.02457	-.47853	.43666	.18318	.01596	-.00609	.00074	-.42315	.49032	-.85264
.450	-4.630	-.01790	-.32315	.43001	.12499	.00997	-.00238	.00022	-.28738	.45469	-.63204
.501	-2.413	-.01285	-.18376	.42573	.07233	.00675	-.00132	.00018	-.15268	.43296	-.37574
.551	-.203	-.00216	-.03800	.42269	.01377	.00388	-.00008	-.00036	-.03650	.42283	-.08632
.601	1.953	.00293	.10418	.41641	-.05237	-.00101	-.00033	-.00003	.08986	.41973	.21409
.651	4.184	.00489	.24514	.41954	-.11313	-.00108	-.00130	-.00007	.21487	.43648	.49228
.700	6.353	.00338	.38061	.41210	-.16778	.00185	-.00405	-.00031	.33259	.45175	.73623
.750	9.542	.00125	.51607	.40576	-.22369	.00521	-.00817	.00157	.44993	.47890	.93950
.800	15.735	.00165	.63505	.41079	-.26518	.00420	-.00596	.00203	.54770	.52160	1.05004
GRADIENT		.00279	.06469	-.00136	-.02729	-.00135	.00014	-.00004	.05713	-.00226	.12899

RUN NO. 41/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.130	-11.532	-.03230	-.89226	.49445	.35739	.02203	-.01082	.00182	-.77470	.66366	-1.16732
1.131	-9.273	-.02953	-.68776	.49336	.26983	.01949	-.00321	.00157	-.59930	.59747	-1.00306
1.132	-6.960	-.02731	-.50635	.48334	.20220	.01670	-.00700	.00124	-.44405	.54113	-.82060
1.133	-4.711	-.02095	-.33523	.47917	.13426	.01263	-.00519	.00071	-.29474	.50309	-.58354
1.134	-2.467	-.01333	-.16991	.47679	.06525	.00891	-.00427	.00038	-.14923	.46366	-.30854
1.135	-.236	-.00508	-.02031	.47432	.00517	.00538	-.00407	.00053	-.01836	.47440	-.03870
1.136	1.990	.00026	.11747	.46785	-.05616	.00417	-.00315	-.00065	.10116	.47163	.21447
1.137	4.175	.00141	.25514	.46460	-.11771	.00523	-.00820	.00113	.22163	.48202	.45980
1.138	6.378	.00232	.39765	.45786	-.17953	.01078	-.01180	.00155	.34433	.49920	.68973
1.139	8.586	.00503	.52553	.45328	-.23224	.00984	-.00945	-.00018	.45197	.52666	.85818
1.140	10.782	.01032	.63198	.44598	-.25938	.01390	-.01165	.00331	.53739	.59634	.96594
GRADIENT		.00264	.06614	-.00171	-.02818	-.00079	-.00031	.00004	.05773	-.00263	.11741

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/74/37

(RMCD10) (12 OCT 74)

PARAMETRIC DATA

REFERENCE DATA

SHEP = 2690.0000 34. FT. XMRP = 976.0000 IN. XT
 REF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 40/ 0 RIVL = 4.20 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.200	-11.638	-0.3285	-0.9294	.90595	.36467	.02025	-.00888	.00194	-.78207	.67797	-1.15354
1.201	-9.332	-0.3077	-.68979	.92334	.27100	.01784	-.00707	.00176	-.59921	.60755	-.98628
1.201	-7.003	-.02742	-.49897	.49623	.19478	.01481	-.00306	.00135	-.43474	.55336	-.78364
1.202	-4.714	-.02470	-.31833	.49381	.12101	.01290	-.00407	.00145	-.27691	.51531	-.53738
1.203	-2.489	-.01367	-.15596	.48770	.05302	.00686	-.00184	.00074	-.13480	.49396	-.27290
1.203	-.235	-.00826	-.00482	.48350	-.00726	.00451	-.00254	.00091	-.00284	.48352	-.00387
1.203	1.959	.00101	.12339	.47687	-.06043	.00258	-.00370	.00093	.10671	.48080	.82194
1.203	4.160	.00202	.25984	.47503	-.12040	.00385	-.00558	.00106	.22467	.49072	.45784
1.203	6.407	-.00018	.39781	.46637	-.17932	.00690	-.00825	.00132	.34328	.50785	.67595
1.203	8.592	-.00310	.52797	.46261	-.23390	.00761	-.00580	.00141	.45293	.53630	.84435
1.203	10.815	-.00808	.65427	.45551	-.27477	.00927	-.00738	.00235	.55699	.57118	.97316
GRADIENT		.00338	.05452	-.00239	-.02684	-.00100	-.00022	-.00002	.03604	-.00281	.11108

(RMCD11) (12 OCT 74)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/74/37

PARAMETRIC DATA

REFERENCE DATA

SHEP = 2690.0000 34. FT. XMRP = 976.0000 IN. XT
 REF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA =
 ELV-LI =
 ELV-RO =
 SPDRBK =

ELV-LO = 4.000
 ELV-RI = 8.000
 RUDDER = .000
 BDFLAP = .000

RUN NO. 47/ 0 RIVL = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.920	-11.123	-.02534	-.76214	.35070	.28742	.02030	-.00965	.00058	-.67824	.50095	-1.35391
.920	-8.902	-.02377	-.58467	.35591	.20981	.01781	-.00766	.00087	-.52256	.44210	-1.18199
.901	-6.699	-.01598	-.42615	.34913	.14386	.01163	-.00421	.00182	-.38252	.39646	-.96482
.899	-4.500	-.01776	-.27388	.33889	.08415	.01245	-.00478	.00136	-.24844	.35949	-.69111
.899	-2.336	-.01038	-.13843	.33107	.02487	.00726	-.00278	.00104	-.12482	.33644	-.37101
.899	-.153	-.00278	.00786	.32263	-.04583	.00397	-.00319	.00130	.00872	.32261	.02703
.899	2.027	.00338	.14115	.31979	-.10164	.00132	-.00365	.00087	.12976	.32458	.39976
.899	4.191	.00538	.27232	.32084	-.19036	.00179	-.00527	.00037	.24814	.33988	.73007
.899	6.379	.00371	.40404	.31475	-.19911	.00169	-.00419	.00127	.36656	.33769	1.02480
.899	8.532	.00008	.52731	.31381	-.24371	.00305	-.00374	.00258	.47462	.38852	1.22160
.920	10.695	-.00037	.64714	.31658	-.28842	.00307	-.00349	.00268	.57715	.43118	1.33854
GRADIENT		.00277	.06328	-.00218	-.02739	-.00125	-.00039	-.00010	.05758	-.00235	.16817

DATE 04 APR 79

PAGE 23

TABULATED SOURCE DATA - LARC 693 (IA43)

(RMCD11) (12 OCT 74)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57

PARAMETRIC DATA

BETA = .000 ELV-LO = 4.000
 ELV-L1 = 0.000 ELV-R1 = 0.000
 ELV-RO = 4.000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

REFERENCE DATA

REF = 2630.0000 32.17. XMRP = 976.0000 IN. XT
 REF = 1230.3000 INCHES YMRP = .0000 IN. YT
 REF = 1230.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 46/ 0 R/VL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.901	-11.351	-.02932	-.63444	.45031	.31976	.02129	-.00903	.00086	-.72934	.60803	-1.20343
.901	-9.085	-.02807	-.63389	.44904	.23536	.01914	-.00803	.00090	-.55551	.54094	-1.02769
.901	-6.833	-.02251	-.46495	.43968	.17310	.01345	-.00422	.00056	-.40935	.49187	-.63222
.901	-4.607	-.01679	-.31007	.43463	.11226	.00855	-.00159	.00035	-.27416	.45810	-.39849
.901	-2.396	-.01034	-.18455	.42778	.05645	.00440	-.00017	-.00009	-.14553	.43428	-.33740
.901	-1.182	-.00166	-.01881	.42472	-.00254	.00011	.00075	-.00019	-.01746	.42478	-.04111
.900	2.000	.00448	.12552	.41755	-.05378	-.00231	.00041	-.00004	.11188	.42151	.26543
.900	4.181	.00432	.25935	.42103	-.12513	-.00055	-.00151	.00030	.22797	.43881	.51950
.900	6.376	.00434	.39584	.41301	-.18037	.00124	-.00381	-.00027	.34851	.45453	.76676
.900	8.567	-.00142	.52514	.40755	-.23332	.00789	-.00875	.00191	.45955	.48138	.95466
.900	10.745	-.00156	.65062	.41374	-.27368	.00561	-.00593	.00182	.55208	.52778	1.05489
GRADIENT		.00260	.05538	-.00171	-.02735	-.00115	.00000	-.00000	.05747	-.00235	.12920

RUN NO. 45/ 0 R/VL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.129	-11.539	-.03391	-.87470	.49638	.34305	.02262	-.01074	.00021	-.75749	.66158	-1.14497
1.131	-9.282	-.02905	-.67723	.49562	.25994	.01803	-.00841	.01177	-.58842	.59836	-.98336
1.131	-6.963	-.02348	-.49192	.48641	.18905	.01408	-.00568	.00093	-.42933	.54246	-.79145
1.131	-4.705	-.02142	-.32252	.48182	.12258	.01270	-.00505	.00087	-.28191	.50565	-.55642
1.131	-2.499	-.01473	-.15523	.47984	.05324	.01004	-.00508	.00102	-.13450	.48606	-.27872
1.130	-.226	-.00494	-.00457	.47723	-.00814	.00515	-.00386	.00051	-.00279	.47724	-.00585
1.131	1.980	.00124	.13165	.47580	-.05764	.00404	-.00546	.00094	.11531	.47507	.24271
1.131	4.188	.00257	.27135	.46710	-.12923	.00567	-.00807	.00111	.23651	.48567	.48698
1.130	6.419	-.00090	.41132	.45982	-.19022	.01003	-.01167	.00175	.35733	.50292	.71032
1.131	8.602	-.00553	.53354	.45464	-.23962	.01195	-.01056	.00137	.45953	.52933	.86814
1.131	10.802	-.00831	.64580	.44741	-.27134	.01259	-.01091	.00291	.55050	.56051	.98214
GRADIENT		.00288	.06636	-.00173	-.02810	-.00090	-.00029	-.00002	.05790	-.00239	.11728

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DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

(RMCD11) (12 OCT 74)

LARC 8-TFT-693 (IA43) CONFIGURATION Q2/T4/S7

PARAMETRIC DATA

REFERENCE DATA

SREF = 2890.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 44/ D RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.20	-11.642	-0.3725	-0.89175	.50734	.35503	.02235	-.00934	.05225	-.77098	.67706	-1.13873
1.202	-9.312	-0.3105	-0.67474	.50430	.25873	.01790	-.00702	.00212	-.58425	.60683	-.96279
1.203	-7.015	-0.2877	-0.48601	.49819	.18368	.01578	-.00561	.00177	-.42153	.55382	-.76113
1.205	-4.718	-0.2255	-0.30543	.49296	.10921	.01199	-.00399	.00174	-.26385	.51641	-.51082
1.207	-2.458	-0.1351	-0.14202	.49317	.04196	.00719	-.00241	.00108	-.12086	.49581	-.24377
1.209	-.227	-0.0713	-.00681	.48622	-.01724	.00518	-.00295	.00112	.00874	.48619	-.01798
1.201	1.980	.00041	.13672	.47907	-.07134	.00292	-.00371	.00106	.12000	.48353	-.24818
1.201	4.189	.00264	.27179	.47511	-.13030	.00375	-.00575	.00109	.29336	.49369	-.47877
1.201	6.403	-.00070	.40704	.46826	-.18718	.00686	-.00795	.00105	.35227	.51073	-.68974
1.201	8.611	-.00389	.53862	.46436	-.24249	.00706	-.00670	.00121	.46302	.53977	-.85780
1.201	10.844	-.00853	.66452	.45776	-.28324	.00935	-.00726	.00259	.56653	.57460	-.98597
1.200	GRADIENT	.00289	.06439	-.00210	-.02661	-.00093	-.00022	-.00006	.05577	-.00261	.11103

LARC 8-TFT-693 (IA43) CONFIGURATION Q2/T4/S7

(RMCD12) (12 OCT 74)

PARAMETRIC DATA

REFERENCE DATA

SREF = 2890.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 51/ D RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.20	-11.131	-0.2700	-0.75532	.56345	.28111	.02215	-.01091	.00080	-.67095	.50243	-1.33541
1.202	-8.904	-0.2400	-0.57314	.55843	.20134	.01835	-.00817	.00136	-.51076	.44282	-1.15343
1.203	-6.707	-0.1804	-0.42283	.55031	.14086	.01310	-.00537	.00136	-.37902	.39730	-.95398
1.205	-4.512	-0.1665	-0.27372	.54117	.08094	.01165	-.00446	.00156	-.24603	.36165	-.68031
1.207	-2.332	-.00994	-.13319	.53226	.02117	.00775	-.00363	.00161	-.11956	.33740	-.35435
1.209	-.135	-.00633	.01966	.52468	-.05464	.00735	-.00323	.00202	.02042	.32464	.06289
1.201	2.031	.00591	.16176	.52264	-.11733	-.00340	-.00291	.00078	.18023	.32817	.45778
1.201	4.201	.00396	.28893	.52246	-.16576	.00310	-.00603	.00070	.34283	.34283	.77454
1.201	6.377	.00772	.41744	.51649	-.21072	-.00154	-.00261	.00033	.37971	.36089	1.05215
1.201	8.527	-.00124	.53912	.51503	-.25705	.00402	-.00413	.00277	.48644	.59148	1.24256
1.201	10.691	-.00102	.65926	.51845	-.29899	.00346	-.00358	.00267	.58873	.43323	1.35270
1.200	GRADIENT	.00282	.06528	-.00216	-.02903	-.00116	-.00011	-.00012	.05934	-.00216	.17082

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 25

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57

(RMCD12) (12 OCT 74)

REFERENCE DATA

SREF = 2690.0000 94. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES. YMRP = .0000 IN. YT
 SREF = 1290.3000 INCHES. ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = 0.000
 ELV-LI = 0.000 ELV-RI = 0.000
 ELV-RO = 0.000 RUDDER = .000
 SPDRK = .000 BUFLAP = .000

RUN NO. 50/ 0 RVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.981	-11.357	-.02906	-.02483	.45390	.31100	.02144	-.01016	.00082	-.71930	.60744	-1.18415
.981	-9.083	-.02963	-.02510	.44930	.22712	.01753	-.00741	.00030	-.54634	.54234	-1.00737
.981	-6.837	-.02342	-.02603	.44107	.16261	.01399	-.00439	.00055	-.40029	.49223	-.81322
.981	-4.607	-.01788	-.02981	.43607	.10347	.00975	-.00226	.00049	-.25983	.45842	-.56679
.981	-2.395	-.01123	-.01511	.43020	.04564	.00510	-.00020	.00004	-.13200	.43610	-.30268
.981	-.201	-.00265	-.00275	.42738	-.01522	.00113	.00003	.00013	-.00125	.42739	-.02292
.981	1.987	.00344	.00397	.42105	-.07602	-.00146	-.00005	.00015	.11629	.42534	.27340
.981	4.183	.00427	.02760	.42238	-.13644	-.00264	-.00150	.00012	.24304	.44148	.55031
.981	6.369	.00392	.40519	.41505	-.18848	.00370	-.00496	-.00011	.35664	.45744	.77964
.980	8.567	.00246	.53994	.40932	-.24420	.00615	-.00767	.00160	.47293	.48519	.97473
.983	10.735	.00073	.66571	.41532	-.29165	.00402	-.00525	.00159	.57675	.53176	1.08462
GRADIENT		.00269	.05474	-.00165	-.02711	-.00125	.00008	-.00003	.05710	-.00204	.12798

RUN NO. 49/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.131	-11.578	-.03364	-.06729	.49881	.33603	.02398	-.01157	.00210	-.74933	.66273	-1.13096
1.130	-9.254	-.03402	-.06371	.49582	.25167	.02250	-.01043	.00144	-.57334	.59610	-.96319
1.130	-6.971	-.02618	-.04789	.48810	.18028	.01613	-.00685	.00129	-.41710	.54274	-.76850
1.130	-4.691	-.02118	-.03643	.48421	.11066	.01285	-.00535	.00097	-.26580	.50765	-.52339
1.130	-2.453	-.01248	-.01406	.48239	.04445	.00863	-.00444	.00059	-.12429	.48815	-.25481
1.130	-.224	-.00472	.00178	.47988	-.01476	.00543	-.00429	.00064	.00366	.47987	.00763
1.131	1.983	.00100	.13911	.47306	-.07450	.00405	-.00537	.00068	.12266	.47761	.25681
1.131	4.187	.00153	.27489	.46947	-.13392	.00615	-.00816	.00089	.23989	.48829	.49129
1.130	6.401	-.00131	.41621	.46137	-.19497	.00959	-.01119	.00130	.36217	.50489	.71733
1.129	8.603	-.00431	.53837	.45523	-.24387	.01068	-.01081	.00168	.46421	.53064	.87482
1.130	10.798	-.00894	.65420	.44884	-.27865	.01242	-.01064	.00294	.55853	.56345	.99127
GRADIENT		.00266	.06520	-.00175	-.02740	-.00081	-.00029	-.00000	.05671	-.00223	.11452

ORIGINAL PAGE IS
OF POOR QUALITY

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/37

(RHC012) (12 OCT 74)

REFERENCE DATA

BREF = 2890.0000 90. FT. XGRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YGRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZGRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 48/ 0 RIVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELV-LO = 8.000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = 8.000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

MAON	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.201	-11.647	-.03616	-.88307	.50910	.34632	.02231	-.00980	.00217	-.76211	.67690	-1.12598
1.201	-9.314	-.03090	-.68507	.50607	.25021	.01835	-.00762	.00196	-.57439	.60704	-.94621
1.200	-7.006	-.02692	-.47553	.50002	.17467	.01503	-.00553	.00162	-.41099	.55429	-.74147
1.200	-4.755	-.02380	-.29851	.49543	.10228	.01292	-.00451	.00161	-.25660	.51838	-.49500
1.200	-2.466	-.01413	-.13638	.49279	.03631	.00780	-.00285	.00107	-.11505	.49820	-.25094
1.200	-.225	-.00333	.01270	.48876	-.02266	.00440	-.00284	.00384	.01461	.48871	.02990
1.200	1.985	-.00169	.14420	.48149	-.07752	.00459	-.00476	.00110	.12744	.48620	.26211
1.200	4.182	.00178	.27737	.47712	-.13539	.00380	-.00542	.00368	.24184	.49608	.48751
1.200	6.408	-.00191	.41421	.47035	-.19299	.00806	-.00884	.00123	.39912	.51365	.69917
1.200	8.613	-.00400	.54380	.46508	-.24698	.00735	-.00699	.00143	.46792	.54187	.86332
1.200	10.837	-.00762	.66855	.45832	-.28533	.00630	-.00642	.00277	.57042	.57604	.99023
GRADIENT		.00286	.06429	-.00215	-.02642	-.00097	-.00017	-.00008	.05563	-.00256	.11032

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/37

(RHC013) (12 OCT 74)

REFERENCE DATA

BREF = 2890.0000 90. FT. XGRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YGRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZGRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 53/ 0 RIVL = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELV-LO = 8.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = 8.000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

MAON	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.903	-11.147	-.02806	-.76814	.36010	.29247	.02326	-.01164	.00117	-.68404	.50181	-1.36314
.901	-8.922	-.02332	-.58779	.35459	.21377	.01847	-.00873	.00171	-.52568	.44145	-1.19080
.901	-6.730	-.02017	-.43125	.34709	.14909	.01499	-.00642	.00151	-.38760	.39324	-.98067
.901	-4.514	-.01816	-.28253	.33711	.08958	.01315	-.00540	.00190	-.25512	.35830	-.71204
.903	-2.345	-.01339	-.14161	.32869	.02926	.01060	-.00509	.00212	-.12803	.33441	-.38286
.931	-.177	-.00575	.00162	.32187	-.04095	.00694	-.00507	.00227	.00261	.32186	.00612
.900	2.009	.00185	.14187	.31794	-.10156	.00359	-.00482	.00155	.13064	.32272	.40482
.900	4.169	.00355	.26033	.31932	-.14737	.00335	-.00557	.00085	.24441	.33798	.72115
.900	6.330	.00484	.39287	.31377	-.19171	.00254	-.00345	.00124	.35588	.35517	1.00199
.901	8.905	-.00221	.51901	.31341	-.24039	.00325	-.00380	.00247	.46694	.38673	1.20741
.903	10.870	-.00173	.63872	.31542	-.28186	.00420	-.00406	.00290	.56928	.42823	1.32940
GRADIENT		.00257	.06378	-.00214	-.02784	-.00123	-.00000	-.00012	.05791	-.00241	.16343

DATE 04 APR 73

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 27

LARC 6-TPT-693 (IA43) CONFIGURATION 02/74/37

(RHC013) (12 OCT 74)

REFERENCE DATA

SREF = 2690.0000 IN. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-L0 = 0.000
 ELV-L1 = 4.000 ELV-R1 = 4.000
 ELV-R0 = 0.000 RUDDER = .000
 SF08RK = .000 BDFLAP = .000

RUN NO. 54/ 0 RIVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.980	-11.366	-.02820	-.83475	.44761	.32146	.02062	-.03962	.00078	-.73016	.60335	-1.21019
.991	-9.083	-.02514	-.63490	.44401	.23736	.01688	-.03688	.00050	-.55685	.53867	-1.03375
.981	-6.851	-.02316	-.46580	.43719	.17141	.01399	-.03452	.00041	-.41033	.48964	-.83803
.981	-4.626	-.01627	-.30381	.43246	.11207	.00771	-.03065	-.00007	-.27392	.45604	-.60068
.981	-2.412	-.01084	-.16139	.42675	.05474	.00443	-.03041	-.00002	-.14329	.43316	-.33079
.981	-.209	-.00416	-.01642	.42347	-.00438	.00169	-.03017	.00037	-.01488	.42353	-.03512
.980	1.975	.00385	.12280	.41708	-.06822	-.02002	-.03043	.00037	.10835	.42106	.25753
.980	4.156	.00732	.25644	.42089	-.12418	-.03344	.03026	.00004	.22526	.43837	.51387
.980	6.351	.00168	.38984	.41147	-.17521	.02285	-.03434	-.00033	.34194	.48206	.75639
.980	8.538	-.00258	.52298	.40626	-.22921	.02812	-.03841	.00192	.45687	.47940	.95301
.980	10.712	-.00063	.64343	.41238	-.27270	.03340	-.03618	.00180	.55557	.52478	1.05866
GRADIENT		.00268	.06454	-.00150	-.02713	-.00122	.00005	.00003	.05695	-.00217	.12634

RUN NO. 53/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.129	-11.593	-.03303	-.88064	.49545	.34806	.02198	-.01040	.00201	-.76311	.68231	-1.15218
1.131	-9.276	-.03382	-.67905	.49275	.26423	.02123	-.03925	.00116	-.59074	.59576	-.99158
1.130	-6.979	-.02552	-.49241	.48474	.19119	.01536	-.03620	.00117	-.42987	.54098	-.79481
1.130	-4.724	-.01805	-.32321	.48004	.12356	.01020	-.03365	.00053	-.28258	.50503	-.55953
1.130	-2.472	-.01288	-.15928	.47872	.05638	.00864	-.03427	.00061	-.13948	.48514	-.28545
1.130	-.243	-.00620	-.01157	.47682	-.03345	.00594	-.03420	.00065	-.00995	.47686	-.02003
1.130	1.974	.00337	.12487	.47014	-.06259	.00393	-.03492	.00070	.10860	.47416	.22905
1.130	4.178	.00188	.26184	.46663	-.12277	.03340	-.03742	.00075	.22715	.49446	.46886
1.130	6.380	-.00038	.40128	.45917	-.18273	.02899	-.01067	.00099	.34777	.50091	.69426
1.123	8.575	-.00565	.52436	.45356	-.23164	.01107	-.01062	.00107	.45087	.52667	.85809
1.129	10.776	-.00768	.63743	.44624	-.26406	.01149	-.01012	.00270	.54275	.55755	.97345
GRADIENT		.00239	.06537	-.00159	-.02749	-.00064	-.00037	.00002	.05693	-.00235	.11557

LARC 8-TPT-693 (IA43) CONFIGURATION 02/TA/37 (RHCD13) (12 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 DREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 52/ 0 RV/L = 4.22 GRADIENT INTERVAL = -3.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELV-LO = 8.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = 8.000 RUDDER = .000
 SPDWRK = .000 BOFLAP = .000

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.200	-11.678	-0.3345	-0.6997	-0.701	.36025	.02047	-.00886	.00207	-.77773	.67848	-1.14628
1.201	-9.331	-0.3136	-0.67915	.50319	.26364	.01737	-.00622	.00160	-.59657	.60664	-.97021
1.202	-7.027	-0.2847	-0.49136	.49677	.18834	.01535	-.00522	.00158	-.42690	.55315	-.77176
1.203	-4.744	-0.2223	-0.31230	.49171	.11423	.01156	-.00360	.00142	-.27076	.51587	-.52486
1.204	-2.485	-0.1486	-0.15013	.48847	.04750	.00782	-.00254	.00107	-.12860	.49452	-.26045
1.205	-.243	-0.0783	-0.00375	.48521	-.01131	.00322	-.00266	.00098	.00131	.48321	.00270
1.206	1.964	.00031	.12881	.47822	-.06487	.00279	-.00338	.00794	.48236	.48236	.23291
1.207	4.171	.00023	.26273	.47477	-.12310	.00472	-.00581	.00089	.22750	.49263	.46182
1.208	6.387	-.00085	.39922	.46799	-.18084	.00700	-.00905	.00119	.34468	.50949	.67632
1.209	8.594	-.00479	.53096	.46364	-.23646	.00737	-.00665	.00150	.43571	.53778	.84740
1.210	10.804	-.00920	.65284	.45617	-.27339	.00895	-.00845	.00261	.55356	.57042	.97383
GRADIENT		.00269	.06417	-.00198	-.02635	-.00084	-.00023	-.00005	.05556	-.00265	-.11073

LARC 8-TPT-693 (IA43) CONFIGURATION 02/TA/37 (RHCD14) (12 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 DREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 59/ 0 RV/L = 3.96 GRADIENT INTERVAL = -3.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELV-LO = 4.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = 4.000 RUDDER = .000
 SPDWRK = .000 BOFLAP = .000

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.900	-11.144	-.02474	-.77373	.35574	.29953	.02063	-.01039	.00137	-.69040	.49859	-1.38471
.901	-8.925	-.02589	-.59707	.35175	.22216	.02111	-.01041	.00218	-.53527	.44013	-1.21617
.902	-6.721	-.02070	-.43328	.34402	.15245	.01576	-.00703	.00140	-.39203	.39259	-.99855
.903	-4.529	-.01806	-.28793	.33625	.09300	.01350	-.00589	.00160	-.26047	.35794	-.72771
.904	-2.338	-.01083	-.14306	.32755	.03129	.00834	-.00385	.00138	-.13158	.33319	-.39491
.905	-.183	-.00450	-.00631	.32062	-.03322	.00564	-.00482	.00160	-.00528	.32064	-.01647
.906	1.988	.00221	.12461	.31697	-.08729	.00263	-.00444	.00118	.11354	.32111	.35359
.907	4.158	.00621	.24896	.31804	-.13027	.00030	-.00395	.00071	.22524	.33525	.67185
.908	6.332	.00552	.37533	.31314	-.17551	-.00003	-.00315	.00145	.33850	.35263	.95985
.909	8.511	-.00182	.50499	.31271	-.22652	.00494	-.00490	.00281	.45315	.58400	1.16008
.910	10.662	-.00254	.62421	.31377	-.26882	.00513	-.00471	.00325	.55538	.42384	1.31033
GRADIENT		.00284	.06191	-.00217	-.02604	-.00148	.00015	-.00009	.05606	-.00265	-.16348

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 29

LARC 8-TFT-693 (IA43) CONFIGURATION 02/14/97

(RMCD14) (12 OCT 74)

REFERENCE DATA

BREF = 2690.0000 IN. FT.
 LREF = 1290.0000 INCHES
 BREF = 1290.0000 INCHES
 SCALE = .0100

PARAMETRIC DATA

BETA = .000
 ELV-LO = 4.000
 ELV-LI = 4.000
 ELV-RI = 4.000
 ELV-RO = 4.000
 RUDDER = .000
 SPDRK = .000
 BDFLAP = .000

RUN NO. 56/ 0 RIVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CA	CLN	CY	CYN	CBL	CL	CD	L/D
.901	-11.379	-.02717	-.84974	.44574	.33343	.02019	-.00968	.00136	-.74509	.60463	-1.23231
.901	-9.090	-.02336	-.64756	.44025	.24785	.01771	-.00766	.00104	-.56987	.53703	-1.06115
.901	-6.956	-.02404	-.47821	.43377	.18312	.01550	-.00587	.00105	-.42301	.48775	-.86723
.901	-4.634	-.01833	-.32363	.42924	.12372	.00993	-.00224	.00063	-.28790	.45399	-.63416
.903	-2.421	-.01069	-.17733	.42198	.06753	.00508	-.00035	.00036	-.15905	.42909	-.37066
.901	-.219	-.00167	-.03199	.42042	.00841	.00074	-.00002	.00042	-.03038	.42034	-.07224
.901	1.979	-.00334	.11065	.41503	-.05728	-.00161	.00018	.00018	.09625	.41857	.22995
.901	4.148	.00395	.24369	.42024	-.11334	-.00033	-.00170	.00049	.21265	.43677	.48698
.901	6.345	.00173	.37918	.41073	-.16565	.00365	-.00333	.00028	.33146	.45012	.75639
.903	8.528	.00031	.50862	.40654	-.21728	.00648	-.00798	.00192	.44271	.47747	.92720
.903	10.718	-.00057	.63301	.41131	-.26258	.00553	-.00637	.00251	.54547	.52185	1.04527
GRADIENT		.00268	.06476	-.00114	-.02727	-.00124	.00007	-.00002	.05721	-.00206	.12943

RUN NO. 57/ 0 RIVL = 4.20 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CA	CLN	CY	CYN	CBL	CL	CD	L/D
1.130	-11.601	-.03436	-.89228	.49373	.35832	.02336	-.01142	.00239	-.77477	.66307	-1.16846
1.129	-9.291	-.03242	-.69022	.49001	.27386	.02135	-.01005	.00158	-.60206	.59501	-1.01184
1.130	-7.000	-.02680	-.50669	.48247	.20252	.01644	-.00693	.00158	-.44412	.54062	-.82149
1.130	-4.739	-.02308	-.33469	.47742	.13440	.01411	-.00595	.00140	-.29437	.50328	-.58489
1.130	-2.469	-.01231	-.17169	.47556	.06713	.00832	-.00415	.00092	-.15105	.48251	-.31305
1.130	-.236	-.00413	-.02017	.47363	.00503	.00481	-.00383	.00089	-.01823	.47371	-.03846
1.130	1.959	-.00210	.11534	.46786	-.00390	.00595	-.00618	.00136	.09948	.47154	.21096
1.129	4.172	.00439	.23223	.46480	-.11452	.00439	-.00740	.00111	.21775	.48192	.45184
1.130	6.389	.00053	.39555	.45734	-.17660	.00980	-.01087	.00122	.34219	.49852	.68642
1.132	8.571	-.00571	.51718	.45391	-.22348	.01120	-.01076	.00094	.44376	.52592	.84378
1.130	10.775	-.00942	.62798	.44621	-.25587	.01274	-.01079	.00305	.53354	.55569	.96014
GRADIENT		.00294	.06585	-.00148	-.02789	-.00099	-.00022	-.00001	.03746	-.00243	.11707

ORIGINAL PAGE IS
 OF POOR QUALITY

(RMCD14) (12 OCT 74)

LARC 8-TFT-693 (IA43) CONFIGURATION 02/74/57

REFERENCE DATA

REF = 2690.0000 38. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 SREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 56/ 0 RV/L = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CV	CYN	CBL	CL	CD	L/D
1.200	-11.671	-.03347	-.92698	.50376	.36660	.02091	-.00938	.02339	-.78932	.67877	-1.15786
1.199	-9.338	-.03142	-.69149	.50191	.27364	.01797	-.00689	.02219	-.60089	.60746	-.98918
1.201	-7.037	-.02790	-.50335	.49537	.19834	.01503	-.00510	.02182	-.43886	.53330	-.79320
1.200	-4.747	-.02251	-.32139	.48948	.12327	.01186	-.00379	.02176	-.27978	.51440	-.54390
1.201	-2.480	-.01311	-.15861	.48535	.05556	.00646	-.00171	.02103	-.13742	.49276	-.27888
1.200	-.249	-.00657	-.00931	.48284	-.00387	.00458	-.00249	.02112	-.00722	.48287	-.01494
1.200	1.960	-.00362	.12120	.47623	-.03804	.00353	-.00398	.02123	.10484	.48010	-.21638
1.200	4.166	.00154	.25482	.47259	-.11627	.00422	-.00580	.02136	.21981	.48985	-.44873
1.200	6.383	-.00341	.39284	.46628	-.17518	.00712	-.00840	.02151	.33856	.50706	-.66770
1.200	8.589	-.00435	.52373	.46241	-.23042	.00748	-.00599	.02181	.44879	.53545	-.83816
1.200	10.813	-.00944	.64811	.45554	-.26874	.00952	-.00703	.02289	.55114	.56904	-.96855
GRADIENT		.02273	.06434	-.00197	-.02662	-.00082	-.00028	-.00003	.05577	-.00279	.11151

REFERENCE DATA

REF = 2690.0000 38. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 SREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 63/ 0 RV/L = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CV	CYN	CBL	CL	CD	L/D
1.200	-11.161	-.02717	-.79708	.35422	.31768	.02210	-.01073	.02002	-.71344	.50181	-1.42172
1.201	-8.937	-.02530	-.61488	.35036	.23684	.02012	-.00957	.02064	-.55299	.44162	-1.25218
1.200	-6.731	-.02199	-.45146	.34304	.16571	.01645	-.00714	.02049	-.40814	.39359	-1.03697
1.201	-4.532	-.01827	-.29792	.33512	.10312	.01329	-.00551	.02061	-.27051	.35761	-.75643
1.200	-2.345	-.00949	-.15758	.32635	.04200	.00679	-.00273	.02050	-.14409	.33232	-.43333
1.200	-.188	-.00335	-.01646	.31943	-.02599	.00828	-.00519	.02106	-.01541	.31948	-.04824
1.200	1.992	.00194	.11460	.31651	-.07852	.00294	-.00466	.02050	.10353	.32031	.32321
1.200	4.143	.00590	.22595	.31808	-.11180	.00340	-.00388	.02073	.20238	.33357	.60672
1.200	6.320	.00340	.35533	.31277	-.15830	-.00008	-.00303	.02066	.31894	.35000	.91125
1.200	8.486	-.00246	.48332	.31120	-.20894	.00375	-.00425	.02194	.43210	.37912	1.13875
1.200	10.656	-.00371	.60146	.31346	-.25084	.00355	-.00387	.02224	.53312	.41927	1.27155
GRADIENT		.02276	.06087	-.00203	-.02538	-.00137	.00006	.00001	.05503	-.00279	.16060

(RMCD15) (12 OCT 74)

LARC 8-TFT-693 (IA43) CONFIGURATION 02/74/57

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = .000 RUDDER = .000
 SPDBRK = .000 BOFLAP = .000

BETA = .000 ELV-LO = .000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = .000 RUDDER = .000
 SPDBRK = .000 BOFLAP = .000

LARC 8-TFT-693 (IA43) CONFIGURATION 02/74/37

PARAMETRIC DATA

REFERENCE DATA
 SREF = 2690.0000 SQ. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 SREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 62/ 0 RVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.980	-11.390	-.02590	-.86945	.44167	.34904	.02176	-.01009	.00014	-.76510	.60468	-1.26530
.981	-9.108	-.02561	-.66167	.43919	.26097	.01749	-.00736	.00010	-.58381	.53639	-1.08436
.981	-6.865	-.02241	-.49315	.43290	.19628	.01357	-.00440	-.00024	-.43787	.48874	-.89593
.981	-4.630	-.01978	-.33806	.42764	.13710	.01044	-.00209	-.00002	-.30243	.45354	-.66683
.981	-2.430	-.00816	-.19297	.42119	.08172	.00244	.00138	-.00082	-.17493	.42699	-.40778
.981	-.226	-.00148	-.04695	.41854	.02228	-.00061	.00153	-.00078	-.04520	.41872	-.10794
.980	1.962	.00352	.09641	.41304	-.04418	-.00249	.00113	-.00071	.08222	.41610	-.19760
.983	4.140	.00747	.22759	.41864	-.09868	-.00398	.00083	-.00084	.19677	.43398	.45341
.983	6.338	.00219	.36807	.40988	-.15618	.00258	-.00428	-.00021	.32057	.44800	.71556
.983	8.529	.00009	.49467	.40493	-.20576	.00611	-.00742	.00129	.42916	.47379	.90580
.983	10.709	-.00052	.61932	.41116	-.29088	.00454	-.00527	.00219	.53213	.51908	1.02314
GRADIENT		.00302	.05478	-.00119	-.02724	-.00154	.00026	-.00007	.05725	-.00238	.12976

RUN NO. 61/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.130	-11.611	-.03329	-.90763	.49222	.37107	.02336	-.01095	.00152	-.78999	.68482	-1.18827
1.131	-9.301	-.03402	-.70387	.48895	.28552	.02134	-.00928	.00061	-.61559	.59628	-1.03238
1.130	-7.000	-.02752	-.52102	.48091	.21424	.01596	-.00624	.00069	-.45853	.54083	-.84783
1.130	-4.741	-.01954	-.35041	.47578	.14677	.01124	-.00419	.00029	-.30989	.50311	-.61394
1.130	-2.487	-.01409	-.18327	.47357	.07906	.00835	-.00333	.00016	-.18455	.48117	-.34157
1.129	-.255	-.00533	-.03424	.47167	.01679	.00467	-.00009	.00022	-.03214	.47181	-.06812
1.130	1.932	.00032	.10376	.46580	-.04363	.00373	-.00466	.00044	.08784	.46907	.18726
1.130	4.151	-.00160	.23894	.46313	-.10416	.00740	-.00817	.00103	.20479	.47921	.42735
1.129	6.374	-.00411	.38710	.45639	-.16897	.01117	-.01190	.00138	.33404	.49634	.67272
1.129	8.563	-.00542	.50906	.45222	-.21857	.01106	-.01024	.00059	.43605	.52298	.83378
1.129	10.763	-.00841	.61836	.44536	-.24729	.01221	-.01063	.00248	.52431	.55301	.94810
GRADIENT		.00227	.06606	-.00149	-.02811	-.00036	-.00042	.00008	.05789	-.00271	.11772

DATE 04 APR 72

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 20

LARC 8-TFT-693 (IA43) CONFIGURATION 02/14/57

(RMCD15) (12 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 SREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 60/ 0 RV/L = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.201	-11.695	-.03407	-.92292	.50501	.39121	.02028	-.00834	.00162	-.80152	.69146	-1.17618
1.200	-9.351	-.02950	-.70543	.50053	.28487	.01608	-.00354	.00116	-.61475	.60849	-1.01024
1.200	-7.043	-.02704	-.51444	.49365	.20829	.01380	-.00402	.00068	-.45703	.55300	-.81360
1.201	-4.757	-.02233	-.33493	.48783	.13455	.01065	-.00246	.00083	-.29332	.51392	-.57075
1.200	-2.498	-.01602	-.17023	.48400	.06516	.00781	-.00199	.00081	-.14897	.49095	-.30342
1.200	-.258	-.00310	-.02139	.48061	.00378	.00318	-.00147	.00046	-.01922	.48071	-.03999
1.203	1.964	.00151	.11175	.47393	-.04993	.00167	-.00272	.00053	.09544	.47748	.19989
1.200	4.156	.00072	.24310	.47091	-.10728	.00419	-.00539	.00100	.20833	.48729	.42753
1.200	6.387	-.00122	.38350	.46464	-.16737	.00681	-.00765	.00106	.32953	.50443	.63328
1.201	8.582	-.00390	.51414	.46135	-.22239	.00697	-.00658	.00151	.43953	.53291	.82477
1.200	10.807	-.00916	.64121	.45463	-.26332	.00861	-.00607	.00212	.54459	.56680	.96082
GRADIENT		.00286	.06454	-.00197	-.02687	-.00086	-.00029	.00000	.05600	-.00301	.11218

LARC 8-TFT-693 (IA43) CONFIGURATION 02/14/57

(RMCD16) (28 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 SREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 5.000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 68/ 0 RV/L = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.600	-10.697	5.04109	-.75719	.29500	.31878	-.16731	.07512	-.01756	-.68828	.43041	-1.60145
.600	-8.561	5.07623	-.61425	.29380	.26030	-.17193	.07753	-.01908	-.56367	.38197	-1.47570
.600	-6.454	5.10379	-.48351	.29293	.20784	-.17614	.07951	-.02126	-.44746	.34550	-1.29512
.600	-4.348	5.12432	-.35702	.29061	.15809	-.18059	.08215	-.02387	-.33396	.31684	-1.05402
.598	-2.263	5.13919	-.25394	.28745	.11712	-.18677	.08480	-.02602	-.24236	.29720	-.81525
.600	-.173	5.14784	-.14753	.28344	.07324	-.19144	.08652	-.02810	-.13947	.26387	-.49132
.598	1.919	5.14880	-.02029	.27756	.02617	-.19710	.08892	-.03099	-.02957	.27672	-.10685
.600	4.035	5.13929	.10833	.27083	-.02615	-.19553	.08734	-.03293	.08890	.27781	.32001
.600	6.155	5.11931	.22367	.26195	-.07103	-.18952	.08219	-.03359	.19430	.28442	.68314
.599	8.258	5.09547	.35107	.25010	-.12681	-.18643	.07996	-.03506	.31161	.29782	1.04631
.599	10.309	5.06104	.48236	.23816	-.17852	-.18179	.07793	-.03663	.43162	.32108	1.34427
GRADIENT		.00187	.05546	-.00236	-.02189	-.00191	.00069	-.00110	.05042	-.00469	.16470

DATE 04 APR 75 TABULATED SOURCE DATA - LARC 693 (1A43)

(RMCD16) (28 JAN 75)

LARC 8-TFT-693 (1A43) CONFIGURATION 02/74/97

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 5.000
 ELV-LO = .000
 ELV-LI = .000
 ELV-RI = .000
 ELV-RO = .000
 RUDDER = .000
 BDFLAP = .000
 SPDRK = .000

RUN NO. 67/ 0 RVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.899	-11.260	5.17427	-.82644	.33222	.33095	-.21609	.10221	-.02152	-.74176	.50681	-1.46337
.899	-9.039	5.20622	-.63798	.33094	.26111	-.21417	.10227	-.02185	-.59467	.44995	-1.32164
.899	-6.834	5.24592	-.50693	.34639	.19963	-.22424	.10756	-.02415	-.48203	.40445	-1.14242
.903	-4.635	5.26848	-.35212	.34246	.13698	-.22679	.10927	-.02736	-.32329	.36980	-.87424
.903	-2.434	5.28377	-.21236	.33933	.08104	-.22931	.10954	-.03021	-.19776	.34803	-.56819
.899	-.256	5.29446	-.07788	.33442	.02203	-.22965	.10758	-.03211	-.07637	.33476	-.22815
.903	1.326	5.29474	.05087	.32875	-.03805	-.22965	.10588	-.03335	.04979	.33061	.17 50
.899	4.111	5.28319	.19317	.32688	-.08803	-.22679	.10279	-.03424	.16924	.33988	-.9794
.899	6.308	5.23961	.32337	.32289	-.13420	-.21711	.09723	-.03555	.28593	.35847	.80213
.903	8.489	5.22077	.46533	.31928	-.19276	-.20735	.08493	-.03483	.41310	.38447	1.07446
.899	10.662	5.19791	.58817	.32057	-.23723	-.20540	.08159	-.03472	.51870	.42385	1.22376
GRADIENT		.00176	.06241	-.00191	-.02604	-.00001	-.00076	-.00077	.05641	-.00334	-.15847

RUN NO. 66/ 0 RVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.903	-11.537	5.24118	-.92941	.43971	.38251	-.25069	.11763	-.02045	-.82269	.61871	-1.33400
.902	-9.237	5.27165	-.75086	.44039	.29936	-.24619	.11669	-.02427	-.65069	.53200	-1.17878
.903	-6.956	5.29196	-.54476	.43375	.22280	-.23893	.11271	-.02811	-.48822	.49634	-.98323
.901	-4.739	5.31144	-.38244	.43255	.15850	-.23738	.11177	-.03122	-.34540	.46268	-.74635
.903	-2.499	5.32390	-.22925	.42929	.09958	-.23423	.10809	-.03437	-.21031	.43888	-.47921
.903	-.266	5.32953	-.07771	.42675	.03903	-.23178	.10484	-.03750	-.07572	.42710	-.17729
.903	1.942	5.32714	.06942	.42508	-.02439	-.23007	.10232	-.03831	.05497	.42718	.12868
.903	4.122	5.31831	.20892	.42154	-.08411	-.22803	.09959	-.03881	.17808	.43546	.40894
.903	6.346	5.29447	.35203	.41973	-.14905	-.21924	.09136	-.03829	.30348	.45607	.68342
.903	8.534	5.25773	.48458	.41623	-.19793	-.20848	.08379	-.03794	.41745	.48333	.86333
.903	10.735	5.22140	.62121	.41419	-.25167	-.20221	.07742	-.03657	.53319	.52265	1.02017
GRADIENT		.00078	.05685	-.00118	-.02749	.00103	-.00140	-.00087	.05921	-.00300	.13169

DATE 04 APR 75 TABULATED SOURCE DATA - LARC 693 (IA43)

(FHCD16) (28 JAN 75) LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57

PARAMETRIC DATA

REFERENCE DATA

SREF = 2880.0000 36. FT. YMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = 5.000
 ELV-LO = .000
 ELV-LI = .000
 ELV-RI = .000
 ELV-RO = .000
 RUDDER = .000
 BDFLAP = .000
 SPDRK = .000

RUN NO. 65/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

KACH	ALPHA	BETA	CN	CA	CLM	CY	CTN	CBL	CL	CD	L/D
1.130	-11.736	5.27238	-.95232	.48772	.39034	-.24049	.10639	-.02055	-.83321	.67123	-1.24131
1.131	-9.432	5.28034	-.74698	.48707	.30585	-.22601	.09939	-.02301	-.65705	.60290	-1.08962
1.131	-7.108	5.30926	-.55430	.48458	.22828	-.21781	.09543	-.02703	-.49208	.54945	-.89194
1.130	-4.835	5.33201	-.37876	.48386	.15324	-.21555	.09205	-.03119	-.33663	.51406	-.65484
1.133	-2.568	5.34653	-.21690	.48212	.09289	-.21458	.09267	-.03602	-.19466	.49133	-.39622
1.130	-.295	5.35391	-.08297	.47809	.03320	-.21774	.09351	-.03949	-.06051	.47841	-.12647
1.130	1.936	5.35988	.08379	.47354	-.03044	-.22382	.09703	-.04097	.06775	.47610	.14231
1.130	4.145	5.34847	.22427	.46511	-.09347	-.22019	.09240	-.04041	.19007	.48010	.39589
1.130	6.354	5.32387	.36355	.46034	-.15392	-.21107	.08416	-.03935	.31040	.49744	.62399
1.130	8.593	5.28661	.50346	.45622	-.20923	-.20366	.07651	-.03824	.42964	.52632	.81631
1.130	10.803	5.23040	.63239	.44823	-.25658	-.19692	.07280	-.03951	.53717	.53883	.96125
GRADIENT		.02203	.06706	-.00235	-.02783	-.00384	.00031	-.00104	.03858	-.00372	.11752

RUN NO. 64/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

KACH	ALPHA	BETA	CN	CA	CLM	CY	CTN	CBL	CL	CD	L/D
1.200	-11.804	5.27919	-.96563	.50177	.39716	-.23701	.10397	-.02143	-.84256	.68670	-1.22342
1.201	-9.468	5.29937	-.75014	.50041	.30619	-.22280	.09826	-.02400	-.65760	.61698	-1.06594
1.199	-7.141	5.32488	-.54759	.49873	.21936	-.21972	.09495	-.02871	-.48135	.56293	-.85507
1.200	-4.862	5.34878	-.37171	.49374	.14872	-.21941	.09417	-.03286	-.32836	.52546	-.62490
1.200	-2.562	5.36210	-.20516	.49276	.08290	-.21780	.09248	-.03590	-.18253	.50143	-.36482
1.200	-.309	5.36860	-.09008	.48778	.02238	-.21981	.09438	-.03839	-.04767	.48805	-.09767
1.200	1.953	5.37336	.09608	.48325	-.03812	-.22599	.09819	-.04006	.07955	.48625	.16360
1.200	4.142	5.36876	.23034	.47596	-.09682	-.22590	.09608	-.04048	.19336	.49135	.38759
1.201	6.367	5.34131	.36781	.46921	-.15592	-.21612	.08732	-.03925	.31351	.50711	.61822
1.201	8.612	5.30516	.50546	.46586	-.20883	-.20594	.08035	-.03973	.43000	.53630	.80178
1.200	10.823	5.26963	.63870	.45733	-.25961	-.20333	.07635	-.04035	.54146	.56913	.95138
GRADIENT		.00211	.06683	-.00218	-.02718	-.00094	.00042	-.00087	.03818	-.00372	.11427

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 OF POOR QUALITY

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (1A43)

PAGE 35

LARC 8-TPT-693 (1A43) CONFIGURATION 02/14/37

(RMCD017) (28 JAN 75)

REFERENCE DATA

SREF = 2690.0000 50. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BRIT = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -5.000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 73/ 0 RV/L = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.600	-10.607	-5.07351	-.74143	.29633	.31250	.21326	-.09084	.01984	-.67362	.42868	-1.57138
.600	-9.564	-5.10660	-.60391	.29604	.25682	.21211	-.09606	.02088	-.55309	.38287	-1.44335
.601	-8.466	-5.13307	-.46930	.29420	.20104	.21215	-.09462	.02266	-.43319	.34518	-1.25499
.600	-4.340	-5.14932	-.34367	.29252	.15181	.20904	-.09227	.02435	-.32055	.31769	-1.00901
.600	-2.266	-5.15270	-.23386	.28992	.10924	.20066	-.08952	.02509	-.22222	.29693	-.74336
.599	-1.171	-5.15206	-.12539	.28693	.06880	.19705	-.08803	.02636	-.12453	.28731	-.43346
.600	1.929	-5.14434	-.02633	.28323	.02313	.19219	-.08624	.02822	-.01775	.27979	-.06345
.600	4.040	-5.13494	-.11151	.27450	-.02439	.19334	-.08934	.03106	-.09191	.28148	.38633
.599	6.118	-5.11276	.22729	.26566	-.07083	.18588	-.08563	.03199	.19768	.28837	.68582
.599	8.246	-5.08041	.33826	.25396	-.12568	.18540	-.08365	.03423	.31813	.30272	1.03081
.600	10.343	-5.06018	.48311	.24108	-.17723	.18230	-.08017	.03574	.43395	.32426	1.33827
GRADIENT		.00178	.05421	-.00220	-.02093	-.00188	.00034	.00079	.04913	-.00436	.15995

RUN NO. 72/ 0 RV/L = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.600	-11.254	-5.23560	-.82695	.35775	.33175	.27375	-.13610	.02212	-.74123	.51226	-1.44898
.600	-9.027	-5.26455	-.64102	.35859	.24984	.26587	-.13100	.02566	-.57682	.45473	-1.26849
.600	-6.812	-5.29957	-.48341	.35475	.18748	.26908	-.13093	.02773	-.43792	.40939	-1.06817
.600	-4.610	-5.30725	-.33627	.34962	.12922	.25791	-.12456	.02886	-.30708	.37551	-.81776
.600	-2.430	-5.30809	-.19729	.34599	.07375	.24693	-.11802	.03025	-.18245	.35404	-.51532
.600	-.249	-5.29946	-.05048	.34087	.01428	.23827	-.11519	.03176	-.05900	.34113	-.17296
.600	1.939	-5.29110	.07100	.33753	-.03994	.23492	-.11428	.03339	.05954	.33974	.17525
.601	4.130	-5.27236	.19389	.33488	-.08857	.22849	-.11144	.03342	.17525	.34841	.50301
.600	6.293	-5.25039	.32943	.33002	-.13698	.21875	-.10176	.03488	.29127	.36414	.79889
.600	8.491	-5.23067	.46468	.32993	-.18826	.21507	-.09366	.03629	.41087	.39493	1.04038
.600	10.668	-5.19877	.59214	.32634	-.23758	.20909	-.08568	.03605	.52150	.43031	1.21190
GRADIENT		.00397	.06136	-.00174	-.02514	-.00324	.00137	.00056	.05523	-.00313	.15251

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OF POOR QUALITY

TABULATED SOURCE DATA - LARC 693 (IA43)

DATE 24 APR 75

(RHCD17) (28 JAN 75

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57

PARAMETRIC DATA

REFERENCE DATA

BREF = 2890.0000 IN. FT. XREF = 976.0000 IN. XT
 LREF = 1290.0000 INCHES YREF = .0000 IN. YT
 BREF = 1290.0000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .3100

BETA = -5.000
 ELV-LO = .000
 ELV-LI = .000
 ELV-RI = .000
 ELV-RO = .000
 RUDDER = .000
 RUDFLAP = .000
 SPDRK = .000

RUN NO. 71/ 0 RVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.340	-11.518	-5.29932	-91173	.44584	.37417	.30006	-.14604	.02334	-.80431	.61691	-1.29937
.360	-9.211	-5.32078	-71131	.44227	.29077	.29364	-.14271	.02691	-.63134	.50433	-1.14701
.380	-6.973	-5.34390	-53033	.43921	.21488	.27845	-.13266	.02950	-.47326	.50037	-.94597
.390	-4.707	-5.35136	-36723	.43438	.15260	.26557	-.12445	.03147	-.33035	.46305	-.71342
.395	-2.494	-5.34595	-21963	.43343	.09764	.25021	-.11518	.03378	-.20057	.44258	-.45317
.399	-.273	-5.33423	-.06808	.43117	.03586	.23957	-.11169	.03640	-.08603	.43149	-.15302
.399	1.929	-5.32055	.07266	.43011	-.02325	.23275	-.10911	.03740	.05814	.43231	.13448
.399	4.112	-5.30297	.20842	.42803	-.08190	.22874	-.10714	.03716	.05919	.44187	.40100
.399	6.325	-5.28070	.34725	.42558	-.13779	.22250	-.10235	.03647	.29825	.46125	.64661
.399	8.520	-5.25215	.48405	.42766	-.18948	.21570	-.09555	.03742	.41535	.49465	.83968
.399	10.712	-5.21747	.61625	.42095	-.24518	.20594	-.08422	.03661	.52727	.52816	.99633
GRADIENT		.03558	.06544	-.00073	-.02674	-.00420	.00185	.00068	.03774	-.00239	.12767

RUN NO. 70/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.130	-11.749	-5.33329	-94287	.48365	.38378	.28554	-.13094	.02393	-.82337	.67158	-1.22602
1.131	-9.410	-5.36032	-73343	.48930	.29690	.27595	-.12381	.02706	-.64356	.60263	-1.06792
1.131	-7.125	-5.37273	-54100	.48658	.21688	.26052	-.11637	.02961	-.47647	.54993	-.86741
1.130	-4.830	-5.37867	-36495	.48504	.14691	.24634	-.10716	.03262	-.32282	.51404	-.62800
1.130	-2.556	-5.37932	-20617	.48497	.08755	.23639	-.10135	.03604	-.18434	.49368	-.37340
1.130	-.317	-5.35460	-.05504	.48155	.02882	.22804	-.10088	.03811	-.03238	.48186	-.10871
1.130	1.930	-5.35159	.09586	.47593	-.03680	.22719	-.10464	.03914	.07977	.47889	.16658
1.130	4.138	-5.33360	.23496	.46775	-.09898	.22393	-.10409	.03869	.20060	.48349	.41490
1.130	6.357	-5.31530	.37053	.46465	-.15411	.21938	-.09908	.03779	.31680	.50282	.63075
1.130	8.575	-5.28599	.50097	.46153	-.20397	.21323	-.09220	.03719	.42656	.53106	.80321
1.130	10.804	-5.23797	.62817	.45673	-.24932	.21351	-.08925	.03981	.53142	.56639	.93826
GRADIENT		.03525	.06698	-.00194	-.02748	-.00241	.00013	.00070	.03847	-.00339	.11711

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/11/37

(RMCD17) (28 JAN 75)

PARAMETRIC DATA

BETA = -5.000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

REFERENCE DATA

SREF = 2680.0000 IN. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 69/ 0 RVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLN	CY	CYN	CBL	CL	CD	L/D
1.200	-11.827	-5.35122	-96302	.50642	.39407	.28513	-.12764	.02494	-.63979	.69303	-1.21028
1.201	-9.473	-5.37033	-.74288	.50364	.30024	.26779	-.11720	.02806	-.64950	.62103	-1.04584
1.201	-7.148	-5.38991	-.54041	.50259	.21476	.25877	-.11220	.03159	-.47367	.56993	-.83698
1.200	-4.837	-5.39582	-.35956	.50033	.14265	.24420	-.10215	.03407	-.31591	.52898	-.59720
1.201	-2.989	-5.39077	-.19426	.49833	.07761	.23169	-.09588	.03568	-.17175	.50654	-.33906
1.201	-.318	-5.38032	-.04391	.49461	.02205	.22559	-.09586	.03708	-.04116	.49484	-.08318
1.201	1.932	-5.36842	.10272	.49016	-.04001	.22630	-.10177	.03861	.08613	.49334	.17499
1.200	4.139	-5.35196	.24010	.48085	-.09860	.22676	-.10369	.03903	.20499	.49700	.41186
1.200	6.382	-5.33036	.37768	.47658	-.15825	.21961	-.09649	.03780	.32236	.51561	.62520
1.200	8.600	-5.30139	.51366	.47314	-.21291	.21212	-.08838	.03743	.43713	.54483	.80261
1.200	10.839	-5.27339	.64041	.46781	-.25610	.21121	-.08394	.03897	.54101	.57980	.93294
1.200	GRADIENT	.03497	.06641	-.00239	-.02663	-.00179	-.00041	.00057	.03785	-.00344	.11234

LARC 8-TPT-693 (IA43) CONFIGURATION 02/11/37 (RMCD18) (12 OCT 74)

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

REFERENCE DATA

SREF = 2680.0000 IN. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 78/ 0 RVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLN	CY	CYN	CBL	CL	CD	L/D
1.001	-10.802	-0.01037	-.73145	.28265	.32740	.01487	-.00768	-.00039	-.68477	.42991	-1.60778
1.002	-8.498	-.00830	-.61480	.29099	.27102	.01245	-.00365	-.00037	-.58511	.37825	-1.49403
1.001	-6.401	-.00766	-.48542	.28773	.21847	.00899	-.00335	-.00108	-.49031	.34005	-1.32423
1.000	-4.293	-.00649	-.36087	.28530	.16864	.00714	-.00226	-.00106	-.33849	.31152	-1.08859
1.000	-2.223	-.00119	-.25359	.28489	.12701	-.00121	-.00263	-.00024	-.24435	.29439	-.82945
1.000	-.147	.00005	-.14264	.28095	.08197	-.00645	.00327	-.00246	-.14192	.28131	-.50450
1.000	1.935	.00315	-.02489	.26957	.03753	-.00326	.00327	-.00086	-.03430	.27510	-.12468
1.000	4.059	.00432	.09329	.26957	-.01052	-.00566	.00260	-.00050	.07597	.27564	.83347
1.000	6.140	.00073	.21434	.26184	-.05824	-.00079	.00024	.00009	.16510	.28326	.63347
1.000	8.223	-.00073	.33161	.25107	-.10845	.00036	.00003	.00010	.29231	.29590	.58787
1.000	10.334	-.00233	.46360	.23957	-.16075	.00166	.00030	.00064	.41330	.31888	.29609
1.000	GRADIENT	.00124	.03474	-.00193	-.02154	-.00142	.00049	.00012	.04976	-.00436	.16426

LARC 8-TPT-693 (1A43) CONFIGURATION 02/11/57

(RUCD18) (12 OCT 74

REFERENCE DATA

SREF = 2650.0000 IN. FT. XREF = 976.0000 IN. XT
 YREF = 1290.0000 INCHES YREF = .0000 IN. YT
 ZREF = 1290.0000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RJ = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 75/ 0 RV/L = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.901	-11.193	-.02193	-.84876	.35461	.36234	.01976	-.01101	-.00033	-.76379	.51263	-1.48992
.900	-8.957	-.02199	-.66631	.34902	.26137	.01936	-.01056	.07323	-.60434	.44659	-1.34724
.900	-6.747	-.02313	-.49684	.34191	.20585	.02000	-.01076	.00056	-.45324	.39791	-1.13904
.900	-4.551	-.01853	-.34432	.33271	.14171	.01572	-.00929	.00054	-.31683	.33990	-.89250
.900	-2.358	-.00985	-.19790	.32390	.07667	.00833	-.00439	.00032	-.18441	.33176	-.55584
.899	-.237	.00124	-.05207	.32151	.01228	.00005	-.00078	-.00047	-.06091	.32173	-.18932
.900	1.974	.00659	.00968	.31825	-.04093	-.00273	-.00050	-.00058	.05868	.32046	.18311
.901	4.139	.00932	.18537	.31708	-.07725	-.00468	.00017	-.00019	.16220	.32964	.49204
.920	6.308	.01011	.30594	.31379	-.11736	-.00557	.00087	-.00066	.26961	.34551	.78033
.900	8.473	.00023	.44170	.30995	-.17240	.00171	-.00219	.00000	.39120	.37165	1.05262
.900	10.636	-.00214	.56703	.30920	-.22206	.00269	-.00200	.00129	.50022	.40855	1.22438
GRADIENT		.00336	.06114	-.00170	-.02558	-.00241	.00096	-.00011	.05532	-.00323	.16265

RUN NO. 74/ 0 RV/L = 4.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.130	-11.634	-.02814	-.94035	.49129	.35913	.01870	-.00882	.00034	-.82196	.67083	-1.22528
1.131	-9.379	-.03277	-.73397	.48738	.31346	.02079	-.00922	.00022	-.64347	.59968	-1.07634
1.130	-7.008	-.02265	-.54977	.48015	.24131	.01275	-.00448	.00009	-.48710	.54362	-.89832
1.130	-4.762	-.01810	-.38037	.47571	.17305	.00993	-.00331	-.00035	-.33956	.50565	-.67154
1.130	-2.511	-.01200	-.21772	.47463	.10708	.00627	-.00183	-.00066	-.19671	.48371	-.40667
1.130	-.269	-.00107	-.06508	.47251	.04256	-.00075	.00142	-.00129	-.06286	.47281	-.13295
1.130	1.937	.00471	.07445	.46519	-.02045	-.00289	.00123	-.00099	.05864	.46844	.12519
1.130	4.149	.00418	.21790	.46326	-.08461	-.00102	.00077	-.00083	.18381	.47781	.59470
1.130	6.361	.00358	.35772	.45711	-.14461	-.00052	-.00097	-.00075	.30487	.49393	.61723
1.130	8.595	-.00339	.48169	.45154	-.19443	.00334	-.00239	-.00113	.40915	.51817	.78961
1.129	10.732	-.00943	.59740	.44339	-.22785	.00943	-.00679	.00115	.50420	.54706	.92165
GRADIENT		.00275	.06686	-.00150	-.02887	-.00140	.00037	-.00006	.05848	-.00320	.11874

DATE 04 APR 73 TABULATED SOURCE DATA - LARC 693 (IA43)

(NHCD19) (12 OCT 74)

PARAMETRIC DATA

BETA = .000 TANK = 1.000
SAB = 1.000

REFERENCE DATA

SHET = 2880.0000 IN. PT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 62/ 0 RIVL = 3.16 GRADIENT INTERVAL = -5.00/ 5.00

NACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.999	-10.321	-.00268	-.41456	.19145	.08624	.00528	-.00265	-.00205	-.37555	.26863	-1.42233
.999	-8.256	-.00337	-.33530	.19013	.07650	.00403	-.00273	-.00117	-.30472	.23634	-1.25932
.999	-6.176	-.00312	-.26324	.18736	.06976	.00301	.00004	-.00063	-.24354	.21481	-1.13376
.999	-4.137	-.00099	-.21207	.18457	.06344	.00202	.00129	-.00003	-.19821	.19939	-.99406
.999	-3.109	-.00216	-.18011	.18369	.06707	-.00119	.00137	.00006	-.16989	.19319	-.87936
.999	-2.078	-.00225	-.14167	.18295	.06184	-.00107	.00132	-.00002	-.13495	.18796	-.71793
.999	-.050	-.00124	-.07340	.18061	.05145	-.00190	.00070	.00002	-.07034	.18063	-.36839
.999	2.029	.00240	.00197	.17959	.04181	-.00329	.00111	-.00007	-.00440	.17995	-.02446
.999	4.093	.00132	.07005	.17912	.03337	-.00239	.00137	.00015	.05708	.18367	.31079
.999	6.162	.00080	.13553	.17948	.02803	-.00214	.00160	.00064	.11929	.19297	.59743
.999	8.214	-.00127	.21243	.18068	.01669	.00766	.00050	.00064	.18441	.20936	.86073
.999	10.274	-.00282	.30197	.18068	-.00046	.00054	.00027	.00110	.26491	.23164	1.14361
.999	GRADIENT	.00034	.03459	-.00068	-.00457	-.00229	-.00004	-.00001	.03135	-.00197	.16163

RUN NO. 61/ 0 RIVL = 3.76 GRADIENT INTERVAL = -5.00/ 5.00

NACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.801	-10.323	-.00544	-.47037	.20582	.10690	.00670	-.00311	-.00182	-.42487	.26826	-1.47382
.800	-8.403	-.00409	-.37797	.20527	.09365	.00563	-.00295	-.00121	-.34382	.23630	-1.33147
.801	-6.312	-.00400	-.29660	.20281	.08458	.00223	.00036	-.00051	-.27251	.23419	-1.16364
.801	-4.213	-.00321	-.22772	.19930	.07932	.00089	.00111	-.00011	-.21247	.21549	-.98396
.801	-2.127	-.00043	-.15121	.19465	.06362	-.00020	.00048	.00019	-.14368	.20013	-.71897
.800	-.034	.00074	-.07334	.19335	.05180	-.00024	-.00024	.00007	-.07323	.19339	-.37866
.801	2.068	.00143	.00860	.19460	.04214	-.00063	-.00010	-.00003	.00177	.19479	.00808
.800	4.156	.00227	.08994	.19221	.02435	-.00109	.00040	.00000	.07577	.19623	.36224
.800	6.296	.00081	.16272	.19347	.01373	-.00039	-.00014	.00029	.14067	.21025	.66969
.800	8.352	-.00147	.25454	.19323	-.00199	.00180	-.00084	.00063	.22348	.23013	.97110
.800	10.465	-.00151	.35573	.19396	-.02403	.00224	-.00125	.00096	.31458	.23536	1.23190
.800	GRADIENT	.00061	.03799	-.00068	-.00630	-.00263	-.00017	-.00000	.03449	-.00190	.16548

LARC 8-TPT-693 (IA43) CONFIGURATION T4/37

(RHCD19) (12 OCT 74)

REFERENCE DATA

SHEP = 2690.0000 32. FT. 1081P = 976.0000 IN. XT
 LREF = 1290.3000 INCHES 1401P = .0000 IN. YT
 SHEP = 1290.3000 INCHES 2401P = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.300
 SSB = 1.000

RUN NO. 77/ 0 RVL 3.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CEL	CL	CD	L/D
.900	-10.586	-.01018	-.47734	.22983	.11332	.01042	-.00452	-.00152	-.42720	.31363	-.1.36203
.901	-8.463	-.00619	-.35983	.22803	.09983	.00617	-.00261	-.00095	-.28595	.28595	-1.24413
.902	-6.352	-.00530	-.31124	.22488	.08907	.00515	-.00153	-.00041	-.28445	.25793	-1.10279
.903	-4.267	-.00337	-.23539	.22028	.06435	.00249	-.00055	-.00025	-.21834	.23719	-.92035
.904	-2.149	-.00204	-.15127	.21985	.03590	.00061	-.00058	.00015	-.14292	.22537	-.63417
.905	-.034	.00131	-.05491	.21899	.04553	.00045	-.00121	.00031	-.06478	.21973	-.29574
.906	2.094	.00275	.02229	.21908	.03836	.00039	-.00119	.00016	.01427	.21975	.06495
.907	4.216	.00114	.11074	.21913	.02616	.00049	-.00115	.00002	.09433	.22687	.41614
.908	6.315	-.00026	.20072	.21706	-.00315	.00161	-.00147	.00021	.17562	.23782	.73848
.909	8.434	-.00034	.21703	.21614	-.02202	.00166	-.00135	.00052	.23219	.25589	.98553
.910	10.544	-.00067	.38045	.21676	-.04057	.00259	-.00221	.00107	.33436	.28272	1.18267
GRADIENT		.00056	.04062	-.00014	-.02433	-.00024	-.00009	.00003	.03690	-.00126	.15902

RUN NO. 78/ 0 RVL 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CEL	CL	CD	L/D
.900	-10.689	-.01075	-.49214	.26334	.09777	.01006	-.00431	-.00194	-.43476	.35003	-1.24202
.901	-8.529	-.00917	-.38442	.26058	.08189	.00749	-.00261	-.00132	-.34182	.31472	-1.08517
.902	-6.389	-.00681	-.29495	.25567	.07306	.00519	-.00158	-.00033	-.26467	.28690	-.92251
.903	-4.274	-.00425	-.21733	.25130	.06769	.00253	-.00028	-.00006	-.19800	.26680	-.74212
.904	-2.158	-.00258	-.13849	.24582	.04912	.00107	-.00077	.00009	-.12914	.25086	-.51477
.905	-.027	.00276	-.05447	.24538	.04081	-.00012	-.00134	.00008	-.05435	.24511	-.22176
.906	2.108	.00300	.03035	.24476	.03382	.00031	-.00190	.00009	.02133	.24571	.08681
.907	4.214	.00343	.11701	.24267	.01319	-.00114	-.00068	.00009	.09887	.25062	.39450
.908	6.351	.00209	.19637	.24363	.02133	-.00004	-.00108	.00032	.16822	.25386	.63753
.909	8.482	.00136	.29049	.24502	-.01159	.00039	-.00144	.00082	.25117	.28518	.88073
.910	10.653	.00022	.39816	.24622	-.02670	.00068	-.00188	.00125	.34578	.31558	1.09568
GRADIENT		.00089	.03943	-.00086	-.00585	-.00038	-.00009	.00001	.03503	-.00177	.13534



DATE 24 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 41

LARC 8-TPT-693 (IA43) CONFIGURATION T4/S7

RMHC019) (12 OCT 74)

REFERENCE DATA

SREF = 2690.0000 IN. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .00000

PARAMETRIC DATA

BETA = .000 TANK = 1.000
 SRB = 1.000

RUN NO. 79/ 0 RV/L = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CV	CYN	CBL	CL	CD	L/D
1.130	-10.793	-.00916	-.49694	.30871	.09234	.00865	-.00424	-.00183	-.43040	.39623	-1.08624
1.130	-8.601	-.00826	-.38486	.30731	.07483	.00896	-.00453	-.00121	-.33458	.36141	-.92376
1.130	-6.437	-.00637	-.29259	.30317	.06780	.00647	-.00344	-.00055	-.25876	.33406	-.76859
1.130	-4.288	-.00320	-.20967	.29984	.06226	.00410	-.00259	-.00017	-.18667	.31468	-.59320
1.129	-2.173	.00191	-.14151	.29621	.05373	.00144	-.00036	-.00008	-.13017	.30136	-.43196
1.130	-.031	.00323	-.05374	.29768	.04131	.00237	-.00393	-.00007	-.05558	.29771	-.18670
1.130	2.123	.00409	.03312	.29599	.03123	.00261	-.00458	-.00009	.02215	.29701	.07457
1.130	4.239	.00340	.10950	.29591	.01582	.00195	-.00359	.00020	.08733	.30320	.28804
1.130	6.362	.00189	.19295	.29785	.00660	.00374	-.00467	.00044	.15865	.31745	.49976
1.130	8.552	.00081	.29605	.29786	-.00818	.00289	-.00329	.00106	.24841	.33861	.73361
1.130	10.733	-.00090	.41536	.29672	-.02875	.00341	-.00299	.00169	.35284	.36888	.95851
GRADIENT		.00072	.03809	-.00038	-.00540	-.00015	-.00020	.00003	.03281	-.00128	.10631

RUN NO. 80/ 0 RV/L = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CV	CYN	CBL	CL	CD	L/D
1.230	-10.814	-.01074	-.50271	.31442	.09475	.00783	-.00280	-.00186	-.43479	.40316	-1.07843
1.230	-8.611	-.00968	-.38506	.31146	.07401	.00667	-.00216	-.00108	-.33409	.36560	-.91380
1.231	-6.439	-.00756	-.28878	.30770	.06442	.00416	-.00065	-.00055	-.25245	.33815	-.74658
1.230	-4.293	-.00479	-.20469	.30397	.05907	.00246	-.00024	-.00004	-.18136	.31843	-.56933
1.230	-2.180	-.00264	-.13602	.30128	.05256	-.00090	.00080	-.00001	-.12446	.30823	-.40643
1.230	-.027	.00252	-.05142	.30376	.03946	-.00081	-.00036	-.00005	-.05128	.30379	-.16879
1.230	2.133	.00350	.03418	.30113	.02940	-.00015	-.00147	-.00011	.02295	.30219	.07595
1.231	4.248	.00327	.11010	.30145	.01637	-.00107	-.00044	-.00002	.08746	.30878	.28326
1.230	6.407	.00231	.20016	.30329	.00619	.00010	-.00118	.00024	.16507	.32373	.50989
1.230	8.581	.00093	.30282	.30373	-.00917	.00115	-.00160	.00082	.25411	.34551	.73547
1.230	10.770	-.00224	.42550	.30177	-.03240	.00143	-.00038	.00167	.36162	.37597	.96183
GRADIENT		.00093	.03739	-.00024	-.00307	-.00031	-.00013	-.00000	.03202	-.00109	.10229

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

LARC 8-TFT-693 (IA43) CONFIGURATION T4

(RM-020) (12 OCT 74)

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. YMRP = 976.0000 IN. XT
 LREF = 1290.0000 INCHES YMRP = .0000 IN. YT
 SREF = 1290.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 TANK = 1.000

RUN NO. 69/ 0 RVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.600	-10.111	-.00641	-.14273	.10286	.02328	.00979	-.00348	.00046	-.12245	.12632	-.96937
.600	-8.072	-.00561	-.12384	.10224	.02734	.00628	-.00281	.00042	-.10825	.11861	-.91269
.600	-6.073	-.00446	-.10721	.10134	.03140	.00677	-.00243	.00027	-.09588	.11211	-.85328
.600	-4.033	-.00386	-.09045	.09803	.03603	.00681	-.00307	.00028	-.08328	.10495	-.79354
.600	-2.024	-.00123	-.07275	.09543	.03861	.00606	-.00489	.00020	-.06933	.09794	-.70791
.600	-.003	.00355	-.03280	.09146	.04075	.00358	-.00414	.00005	-.05280	.09146	-.57727
.601	2.016	.00169	-.03613	.08816	.04432	.00236	-.00402	.00000	-.03921	.08683	-.45158
.601	4.046	.00124	-.01837	.08478	.04814	.00249	-.00371	.00007	-.02430	.08327	-.29185
.603	6.056	.00054	.00145	.08197	.05031	.00294	-.00349	.00009	-.00722	.08166	-.08840
.603	8.077	-.00030	.01934	.07903	.05455	.00310	-.00282	.00017	.00805	.08096	-.09937
.603	10.109	.00013	.03948	.07702	.05785	.00256	-.00270	.00023	.02335	.08276	-.30635
.603	GRADIENT	.00065	.03895	-.00175	.00148	-.00061	-.00002	-.00003	.00733	-.00270	.06238

RUN NO. 87/ 0 RVL = 3.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.601	-10.166	-.00935	-.15219	.10871	.02789	.01032	-.00385	.00048	-.13061	.13386	-.97573
.601	-8.144	-.00765	-.13322	.10835	.03154	.00861	-.00359	.00038	-.11653	.12613	-.92389
.603	-6.113	-.00661	-.11483	.10666	.03537	.00762	-.00331	.00025	-.10282	.11828	-.86931
.601	-4.073	-.00290	-.09570	.10357	.03850	.00507	-.00319	.00010	-.08810	.11010	-.80017
.603	-2.053	-.00102	-.07623	.09972	.04045	.00464	-.00400	.00013	-.07257	.10239	-.70884
.601	-.003	.00169	-.02289	.09652	.04039	.00315	-.00428	.00006	-.05286	.09654	-.54732
.601	2.013	.00262	-.02911	.09365	.04002	.00258	-.00432	.00005	-.03228	.09237	-.34871
.603	4.033	.00144	-.00875	.08925	.04140	.00233	-.00329	.00003	-.01501	.08841	-.16977
.603	6.086	.00206	.01383	.08736	.04235	.00077	-.00213	.00003	.00449	.08634	.05078
.601	8.118	.00139	.03503	.08459	.04467	.00029	-.00121	.00008	.02274	.08689	.25636
.603	10.132	.00177	.03702	.08361	.04686	-.00086	-.00032	.00017	.04139	.09236	.44821
.603	GRADIENT	.00061	.01090	-.00171	.00226	-.00037	-.00003	-.00001	.00920	-.00262	.07994

(RHC000) (12 OCT 74)

PARAMETRIC DATA

BETA = .000 TANK = 1.000

TABULATED SOURCE DATA - LARC 693 (1A43)

LARC 8-TPT-693 (1A43) CONFIGURATION 74

REFERENCE DATA

REF = 2690.0000 36. FT. 30RP = 976.0000 IN. XT
 REF = 1290.3000 INCHES 3MRP = .0000 IN. YT
 REF = 1290.3000 INCHES 2MRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 86/ 0 RIVL = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.901	-10.205	-.00915	-.15166	.12417	.02417	.00923	-.00394	.00033	-.12726	.14907	-.85366
.902	-8.167	-.00815	-.13114	.12239	.02740	.00787	-.00318	.00033	-.11242	.13978	-.80425
.899	-6.131	-.00663	-.11091	.12045	.02984	.00665	-.00285	.00028	-.09701	.13196	-.73737
.901	-4.094	-.00393	-.09015	.11765	.03280	.00530	-.00276	.00016	-.08153	.12378	-.65661
.901	-2.048	-.00114	-.06893	.11359	.03440	.00406	-.00343	.00009	-.06483	.11598	-.55698
.903	-.018	.00147	-.04450	.11022	.03474	.00260	-.00347	.00006	-.04447	.11023	-.40340
.903	2.019	.00343	-.02139	.10766	.03491	.00117	-.00315	.00006	-.02517	.10684	-.23563
.903	4.056	.00235	-.00108	.10221	.03572	.00150	-.00286	.00001	-.00615	.10203	-.06027
.899	6.095	.00170	.02490	.09997	.03624	.00145	-.00244	-.00001	-.01414	.10317	.13660
.903	8.133	.00177	.04632	.09760	.03876	.00065	-.00168	.00007	.03204	.10317	.31059
.903	10.184	.00225	.07153	.09730	.03975	.00019	-.00150	.00006	.05319	.10842	.49064
GRADIENT		.00284	.01129	-.00181	.00031	-.00049	-.00000	-.00002	.00835	-.00258	.07463

RUN NO. 85/ 0 RIVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.900	-10.243	-.00920	-.15172	.15789	.01033	.00693	-.00202	.00049	-.12122	.18235	-.86474
.900	-8.184	-.00815	-.12675	.15476	.01512	.00636	-.00202	.00039	-.10343	.17123	-.80408
.979	-6.139	-.00609	-.10590	.15263	.01993	.00555	-.00233	.00031	-.08857	.16304	-.54324
.900	-4.095	-.00343	-.08298	.14973	.02355	.00389	-.00209	.00020	-.07208	.15528	-.46422
.979	-2.072	.00090	-.06184	.14557	.02713	.00190	-.00199	.00014	-.05463	.14771	-.38273
.900	-.026	.00320	-.03867	.14175	.02969	.00051	-.00221	.00003	-.03980	.14176	-.27369
.900	2.026	.00378	-.01538	.13730	.03194	.00026	-.00227	.00004	-.02022	.13667	-.14793
.900	4.069	.00292	.00695	.13133	.03498	.00089	-.00245	.00002	-.00239	.13149	-.01817
.903	6.117	.00213	.03174	.12912	.03761	.00104	-.00218	.00007	.01780	.13177	.13508
.903	8.173	.00160	.05359	.12786	.04098	.00100	-.00186	.00014	.03665	.13444	.27284
.903	10.214	.00123	.07726	.12875	.04821	.00147	-.00214	.00022	.05320	.14041	.37890
GRADIENT		.00076	.01108	-.00221	.00133	-.00035	-.00005	-.00002	.00860	-.00287	.05518

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

(RMCD20) (12 OCT 74)

LARC 8-TFT-693 (IA43) CONFIGURATION T4

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. WARP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES VARP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZARP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 TANK = 1.000

GRADIENT INTERVAL = -5.00/ 5.00

MACI	ALPHA	BETA	CN	CA	CLM	CY	CYN	CSL	CL	CD	L/D
1.130	-10.280	-0.0849	-0.1544	-0.9026	-0.0744	-0.0526	-0.0116	.00053	-.11703	.21459	-.54536
1.130	-8.221	-0.0825	-0.12582	-0.8809	-0.1111	-0.0478	-0.0082	.00046	-.08763	.20415	-.47822
1.130	-6.168	-0.0654	-0.10260	-0.8589	-0.1585	-0.0409	-0.0096	.00039	-.08204	.19584	-.41690
1.129	-4.117	-0.03803	-0.08205	-0.8269	-0.1988	-0.0438	-0.0258	.00026	-.06672	.18796	-.35497
1.130	-2.058	-0.0231	-0.05901	-0.7972	-0.2469	-0.0327	-0.0353	.00014	-.05252	.18172	-.29900
1.130	-.027	-0.00388	-0.03538	-0.7711	-0.2791	-0.0102	-0.0268	.00008	-.03533	.17713	-.19829
1.130	2.033	-0.0378	-0.11888	-0.7352	-0.3059	-0.0084	-0.0265	.00006	-.01802	.17299	-.10419
1.130	4.093	-0.0324	-0.1056	-0.7007	-0.3435	-0.0097	-0.0252	.00005	-.00151	.17040	-.00888
1.130	6.134	-0.0336	-0.0327	-0.6667	-0.3850	-0.0004	-0.0165	.00008	.01495	.17225	-.08577
1.129	8.189	-0.0287	-0.05755	-0.6227	-0.4326	-0.0086	-0.0032	.00011	.03338	.17278	-.19321
1.130	10.249	-0.0253	-0.08381	-0.5857	-0.4843	-0.0101	-0.0021	.00020	.05249	.18079	-.29031
		-0.0085	-0.1114	-0.0153	-0.0170	-0.0045	.00005	-.00002	.00804	-.00214	.04276

GRADIENT INTERVAL = -5.00/ 5.00

MACI	ALPHA	BETA	CN	CA	CLM	CY	CYN	CSL	CL	CD	L/D
1.200	-10.271	-0.0827	-0.15465	-0.9478	-0.0830	-0.0507	-0.0120	.00036	-.11737	.21927	-.53527
1.200	-8.227	-0.0809	-0.12587	-0.9188	-0.1117	-0.0465	-0.00351	.00048	-.09711	.20792	-.46708
1.200	-6.173	-0.0676	-0.10227	-0.8893	-0.1533	-0.0325	-0.0011	.00034	-.08136	.19883	-.40921
1.200	-4.119	-0.0425	-0.07820	-0.8449	-0.1908	-0.0340	-0.0144	.00026	-.06473	.18963	-.34144
1.200	-2.057	-0.0129	-0.05672	-0.8237	-0.2379	-0.0325	-0.0267	.00015	-.05014	.18429	-.27207
1.200	-.014	-0.0048	-0.03274	-0.8037	-0.2670	-0.0058	-0.0220	.00006	-.03269	.18038	-.18123
1.200	2.037	-0.0453	-0.02981	-0.7794	-0.3003	-0.0007	-0.0218	.00007	-.01813	.17748	-.09088
1.200	4.100	-0.0368	-0.01366	-0.7593	-0.3356	-0.0007	-0.0164	.00006	.00105	.17645	.00394
1.200	6.154	-0.0281	-0.03721	-0.7360	-0.3750	-0.0035	-0.0096	.00009	.01839	.17659	.10413
1.200	8.211	-0.0223	-0.06095	-0.7299	-0.4268	-0.0032	-0.0011	.00011	.03582	.17992	.19798
1.200	10.252	-0.0171	-0.08788	-0.7300	-0.4717	-0.0016	-0.0055	.00021	.05533	.18784	.29456
		-0.0106	-0.1123	-0.0105	-0.0171	-0.0049	.00000	-.00002	.00807	-.00162	.04266



DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 45

LARC 8-TPT-693 (IA43) CONFIGURATION T4

(RMCD21) (12 OCT 74)

REFERENCE DATA

SHEP = 2680.0000 IN. FT. XMRP = 976.0000 IN. XT
 LNEP = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREP = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 TANK = 1.000
 RV/L = 4.400

RUN NO. 90/ 0 RV/L = 4.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CT	CYN	CBL	CL	CD	L/D
.601	-2.028	-.00025	-.07265	.09490	.03810	.00432	-.00437	.00015	-.06925	.09741	-.71088
.602	-1.029	.00048	-.06364	.09322	.03922	.00346	-.00381	.00012	-.06196	.09434	-.63679
.603	-.010	.00265	-.05367	.09089	.04018	.00124	-.00307	.00028	-.05366	.09090	-.59030
.604	1.015	.00194	-.04374	.08900	.04166	.00197	-.00331	.00013	-.04531	.08821	-.51363
.605	2.028	.00374	-.03451	.08782	.04292	.00219	-.00278	.00013	-.03760	.08653	-.43442
GRADIENT		.00093	.00947	-.00181	.00119	-.00100	.00036	-.00000	.00788	-.00274	-.06858

LARC 8-TPT-693 (IA43) CONFIGURATION T4

(RMCD22) (12 OCT 74)

REFERENCE DATA

SHEP = 2680.0000 IN. FT. XMRP = 976.0000 IN. XT
 LNEP = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREP = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 TANK = 1.000
 RV/L = 5.150

RUN NO. 91/ 0 RV/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CT	CYN	CBL	CL	CD	L/D
.600	-2.061	-.00087	-.07717	.10009	.04139	.00442	-.00402	.00015	-.07392	.10080	-.71580
.799	-1.029	.00016	-.06619	.09849	.04180	.00397	-.00407	.00015	-.06441	.09966	-.64633
.799	-.008	.00199	-.05409	.09660	.04116	.00302	-.00401	.00014	-.05407	.09661	-.53975
.800	1.013	.00375	-.04257	.09521	.04088	.00254	-.00438	.00009	-.04425	.09444	-.46850
.800	2.035	.00583	-.03097	.09373	.04116	.00212	-.00401	.00012	-.03428	.09257	-.37030
GRADIENT		.00127	.01134	-.00156	-.00013	-.00059	.00003	-.00001	.00964	-.00251	-.08477

ORIGINAL PAGE IS
 OF POOR QUALITY

(RHC023) (12 OCT 74)

LARC 8-TPT-693 (1A43) CONFIGURATION T4

REFERENCE DATA

SREF = 2690.0000 90.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 92/ 0 RVL = 4.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.900	-2.061	.00062	-.07162	.11380	.03634	.00278	-.00309	.00017	-.06748	.11631	-.50021
.900	-1.039	.00128	-.06075	.11238	.03682	.00220	-.00282	.00015	-.05870	.11347	-.51735
.901	-.014	.00171	-.04675	.11102	.03586	.00237	-.00321	.00015	-.04672	.11103	-.42078
.900	1.007	.00330	-.03553	.10969	.03555	.00161	-.00320	.00014	-.03745	.10905	-.34343
.900	2.040	.00446	-.02358	.10802	.03596	.00172	-.00286	.00015	-.02741	.10711	-.25588
GRADIENT		.00095	.01184	-.00139	-.00320	-.00046	.00001	-.00000	.00989	-.00223	.08027

PARAMETRIC DATA

BETA = .000 TANK = 1.000
 RVL = 4.750

(RHC024) (12 OCT 74)

LARC 8-TPT-693 (1A43) CONFIGURATION T4

REFERENCE DATA

SREF = 2690.0000 90.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 93/ 0 RVL = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.199	-2.020	-.00030	-.05632	.17859	.02313	.00167	-.00138	.00035	-.04999	.18047	-.27700
1.200	-.999	.00047	-.04502	.17820	.02325	.00166	-.00215	.00028	-.04190	.17895	-.23416
1.200	-.007	.00059	-.03377	.17753	.02695	.00202	-.00244	.00023	-.03375	.17753	-.19009
1.199	1.024	.00115	-.02255	.17696	.02867	.00170	-.00200	.00029	-.02571	.17653	-.14562
1.179	2.027	.00096	-.00804	.17593	.02833	.00146	-.00200	.00018	-.01423	.17490	-.08138
GRADIENT		.00032	.01176	-.00077	.00137	-.00004	.00000	-.00003	.00867	-.00134	.11742

PARAMETRIC DATA

BET = .000 TANK = 1.000
 RVL = 2.100



DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 47

LARC 8-TFT-693 (IA43) CONFIGURATION T4

(RMCD26) (12 OCT 74)

REFERENCE DATA

9807 = 2650.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1250.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1250.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 TANK = 1.000
 RV/L = 2.050

PARAMETRIC DATA

RUN NO. 94/ 0 RV/L = 1.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.980	-2.028	-.00020	-.06160	.14230	.02671	.00265	-.00243	.00025	-.05632	.14439	-.39144
.981	-.938	.00026	-.05024	.14096	.02608	.00193	-.00225	.00013	-.04778	.14181	-.39689
.981	.001	.00076	-.03888	.13867	.02915	.00196	-.00246	.00019	-.03889	.13867	-.28042
.982	1.012	.00149	-.02495	.13539	.02933	.00091	-.00257	.00006	-.02734	.13493	-.20265
.982	2.021	.00144	-.01377	.13341	.02977	.00050	-.00220	.00007	-.01846	.13285	-.13899
GRADIENT		.00045	.01196	-.00231	.00073	-.00054	.00001	-.00004	.00933	-.00256	.06322

LARC 8-TFT-693 (IA43) CONFIGURATION T4

(RMCD26) (12 OCT 74)

REFERENCE DATA

9807 = 2650.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1250.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1250.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 TANK = 1.000
 RV/L = 1.980

PARAMETRIC DATA

RUN NO. 95/ 0 RV/L = 1.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.980	-2.029	-.00087	-.06621	.11223	.03234	.00455	-.00346	.00020	-.06220	.11490	-.54387
.982	-1.037	-.00040	-.05888	.11062	.03431	.00375	-.00327	.00020	-.05492	.11180	-.48213
.981	.001	.00071	-.04493	.10832	.03569	.00210	-.00301	.00020	-.04493	.10832	-.31403
.982	1.008	.00086	-.03422	.10729	.03447	.00173	-.00284	.00007	-.03610	.10687	-.33844
.982	2.028	.00140	-.02076	.10512	.03375	.00093	-.00272	.00007	-.02447	.10432	-.23454
GRADIENT		.00057	.01122	-.00173	.00029	-.00091	.00019	-.00004	.00931	-.00250	.07619

ORIGINAL PAGE IS
UNCLASSIFIED

LARC 8-TPT-693 (IA43) CONFIGURATION T4 (RMC027) (12 OCT 74)

REFERENCE DATA

SRCP = 2680.0000 36 FT. XMRP = 976.0000 IN. XT
 LREF = 1250.3000 INCHES YMRP = .0000 IN. YT
 BRCP = 1250.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 96/ 0 RVL = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.799	-2.013	-.00116	-.07220	.09816	.03793	.00682	-.00497	.00006	-.06871	.10064	-.68272
.798	-1.006	-.00047	-.06183	.09703	.03639	.00567	-.00501	.00021	-.06011	.09812	-.61265
.798	.000	.00030	-.05305	.09487	.03559	.00381	-.00427	.00014	-.05305	.09487	-.59913
.799	1.018	.00230	-.03937	.09319	.03657	.00431	-.00477	.00006	-.04102	.09247	-.44363
.798	2.025	.00046	-.03049	.09132	.04004	.00387	-.00457	.00222	-.03369	.09019	-.37361
GRADIENT		.00040	.01048	-.00174	.00343	-.00068	.00010	.00002	.00883	-.00263	-.07796

PARAMETRIC DATA

BETA = .000 TANK = 1.000
 RVL = 1.680

LARC 8-TPT-693 (IA43) CONFIGURATION T4

(RMC028) (12 OCT 74)

REFERENCE DATA

SRCP = 2680.0000 36 FT. XMRP = 976.0000 IN. XT
 LREF = 1250.3000 INCHES YMRP = .0000 IN. YT
 BRCP = 1250.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 97/ 0 RVL = 1.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.801	-1.996	-.00090	-.07020	.09263	.03977	.00512	-.00320	.00010	-.07293	.09323	-.76383
.800	-1.012	-.00015	-.06595	.09139	.04035	.00369	-.00336	-.00003	-.06433	.09254	-.69315
.801	.004	.00015	-.05316	.08973	.03981	.00300	-.00334	-.00003	-.05317	.08973	-.59252
.800	1.017	.00045	-.04993	.08736	.04432	.00231	-.00331	.00010	-.05147	.08648	-.59322
.802	2.012	.00050	-.03710	.08719	.04440	.00235	-.00345	-.00013	-.04013	.08583	-.46759
GRADIENT		.00034	.00938	-.00148	.00134	-.00069	-.00004	-.00003	.00781	-.00248	-.06829

PARAMETRIC DATA

BETA = .000 TANK = 1.000
 RVL = 1.570

DATE 04 APR 75

T/ RATED SOURCE DATA - LARC 693 (IA43)

LARC 8-TPT-693 (IA43) CONFIGURATION 08/74/87

(RHC029) (12 OCT 74)

REFERENCE DATA

SREF = 2690.0000 98. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 SREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 98/ 0 RV/L = 4.46 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CEL	CL	CD	L/D
.600	-2.325	-.01068	-.24723	.28336	.12073	.01055	-.00536	.00039	-.23553	.29318	-.80339
.600	-1.261	-.00812	-.18985	.26146	.09905	.00863	-.00481	.00047	-.18362	.28557	-.64301
.600	-.203	-.00628	-.13995	.27895	.07906	.00737	-.00455	.00050	-.13795	.27945	-.49365
.600	.875	-.00060	-.07813	.27477	.05582	.00205	-.00295	-.00001	-.08231	.27355	-.30089
.600	1.925	.00037	-.02168	.27103	.03302	.00170	-.00231	.00216	-.03077	.27012	-.11390
	GRADIENT	.00279	.03293	-.00296	-.00236	-.00229	.00083	-.00009	.04804	-.00347	.16186

LARC 8-TPT-693 (IA43) CONFIGURATION 08/74/87

(RHC030) (12 OCT 74)

REFERENCE DATA

SREF = 2690.0000 98. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 SREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 99/ 0 RV/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CEL	CL	CD	L/D
.600	-2.447	-.01580	-.23929	.29437	.10970	.01280	-.00774	.00079	-.22680	.30434	-.74824
.600	-1.381	-.01067	-.17660	.29171	.08402	.00912	-.00590	.00050	-.16962	.29582	-.57339
.601	-.282	-.00649	-.11808	.28882	.05993	.00711	-.00542	.00058	-.11686	.28940	-.40309
.600	.636	-.00396	-.05262	.28615	.03313	.00358	-.00492	.00046	-.05680	.28535	-.19804
.600	1.916	.00121	.01046	.28345	.02810	.00320	-.00445	.00024	-.00098	.28362	.00345
	GRADIENT	.00373	.03713	-.00251	-.00236	-.00207	.00068	-.00010	.03203	-.00473	.17134

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000
 RV/L = 5.150

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000
 RV/L = 4.400

LARC 8-TPT-693 (IA43) CONFIGURATION 08/74/87

(RMCD31) (12 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000
 RV/L = 4.750

RUN NO. 100/ 0 RV/L = 4.75 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.800	-2.450	-0.1369	-0.1921	.32303	.07461	.01563	-.00935	.00085	-.18414	.33320	-.53264
.920	-1.369	-0.01434	-0.13293	.32241	.04193	.01285	-.00866	.00090	-.12319	.32549	-.38460
.931	-.253	-0.01039	-.06081	.32160	.00987	.01153	-.00866	.00092	-.05939	.32207	-.18439
.931	.939	-0.01089	.00545	.31969	-.01794	.01261	-.01001	.00119	.00077	.31973	.00241
.923	1.951	-0.00353	.06967	.31718	-.04278	.00853	-.01373	.00079	.05883	.31937	.18482
	GRADIENT	.00329	.06123	-.00167	-.02676	-.00129	-.00001	.00002	.05558	-.00303	.16801

LARC 8-TPT-693 (IA43) CONFIGURATION 08/74/87

(RMCD32) (12 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000
 RV/L = 2.100

RUN NO. 101/ 0 RV/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
1.200	-2.220	-0.00762	-0.18482	.48159	.08669	.00939	-.00346	.00016	-.16582	.48839	-.33953
1.200	-1.160	-0.00631	-0.11363	.47748	.05618	.00849	-.00372	.00026	-.10396	.47969	-.21673
1.199	-.111	-0.00469	-0.04371	.47418	.02637	.00723	-.00389	.00038	-.04280	.47427	-.09024
1.199	.940	-0.00276	.02742	.47271	-.00331	.00530	-.00355	.00035	.01968	.47309	.04156
1.199	1.969	-0.00295	.08533	.46829	-.00009	.00335	-.00306	.00036	.06919	.47093	.14682
	GRADIENT	.00161	.06500	-.00299	-.02797	-.00146	.00009	.00005	.03667	-.00398	.11732



DATE 04 APR 73 TABULATED SOURCE DATA - LARC 693 (IA43)

(RHC033) (12 OCT 74)

LARC 8-TFT-693 (IA43) CONFIGURATION 02/74/57

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 102/ 0 RIVL = 1.84 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000
 RIVL = 2.050

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.901	-2.192	-.00619	-.20816	.41355	.10119	.00861	-.00311	-.00073	-.19219	.42121	-.45629
.901	-1.137	-.00433	-.13423	.41333	.05987	.00641	-.00264	-.00078	-.12600	.41591	-.30295
.901	-.097	-.00338	-.05570	.41423	.03844	.00574	-.00295	-.00283	-.06500	.41434	-.15688
.901	.942	-.00207	.0015	.41283	.00809	.00538	-.00406	-.00056	-.00663	.41278	-.01607
.901	1.972	-.00166	.06728	.41297	-.02262	.00588	-.00490	-.00040	.05303	.41504	-.12776
	GRADIENT	.00105	.06585	-.00316	-.02563	-.00363	-.00048	.00009	.05960	-.00149	.13981

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

LARC 8-TFT-693 (IA43) CONFIGURATION 02/74/57

(RHC034) (12 OCT 74)

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000
 RIVL = 1.980

RUN NO. 103/ 0 RIVL = 1.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.901	-2.155	-.00710	-.19076	.32413	.07583	.01434	-.00824	.00024	-.17843	.33107	-.53806
.902	-1.132	-.00649	-.12566	.32279	.04170	.01437	-.00507	.00057	-.11927	.32521	-.36676
.901	-.096	-.00507	-.06010	.32078	.01258	.01201	-.00802	.00053	-.05956	.32088	-.18562
.903	.952	-.00217	.00862	.32035	-.01812	.00425	-.00718	.00036	.00329	.32045	.01027
.901	1.984	-.00222	.05877	.31934	-.03518	.00924	-.00831	-.00010	.04768	.32119	.14845
	GRADIENT	.00136	.06112	-.00116	-.02720	-.00156	.00017	-.00009	.05547	-.00236	.16907

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LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/87

REFERENCE DATA

SREF = 2680.0000 SQ. FT.

LREF = 1290.3000 INCHES

BREF = 1290.3000 INCHES

SCALE = .0100

XMRP = 976.0000 IN. XT

YMRP = .0000 IN. YT

ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

BETA = .000

ELV-LO = .000

ELV-LI = .000

ELV-RI = .000

ELV-RO = .000

RUDDER = .000

SPDBRK = .000

BOFLAP = .000

RNVL = 1.680

RUN NO. 104/ 0 RNVL = 1.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.801	-2.130	-.00306	-.22575	.29637	.10691	.01085	-.00372	-.00005	-.21453	.30459	-.70434
.803	-1.120	-.00282	-.16917	.29337	.08165	.00564	-.00390	-.00046	-.16340	.29662	-.55087
.805	-.090	-.00322	-.10923	.29138	.05580	.00819	-.00519	.00022	-.10877	.29155	-.37306
.807	.338	-.00113	-.05204	.28851	.03146	.00488	-.00423	-.00004	-.03676	.28762	-.19733
.809	1.979	-.00084	.00366	.28707	.00589	.00542	-.00532	.00008	-.00026	.28723	-.00061
GRADIENT		.00038	.05713	-.00228	-.02451	-.00122	.00004	.00017	.03200	-.00424	.17107

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/87

REFERENCE DATA

SREF = 2680.0000 SQ. FT.

LREF = 1290.3000 INCHES

BREF = 1290.3000 INCHES

SCALE = .0100

XMRP = 976.0000 IN. XT

YMRP = .0000 IN. YT

ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

BETA = .000

ELV-LO = .000

ELV-LI = .000

ELV-RI = .000

ELV-RO = .000

RUDDER = .000

SPDBRK = .000

BOFLAP = .000

RNVL = 1.570

RUN NO. 105/ 0 RNVL = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CN	CA	CLM	CY	CYN	CBL	CL	CD	L/D
.801	-2.092	-.00342	-.24774	.28747	.12732	.01023	-.00494	-.00005	-.23708	.29632	-.80008
.803	-1.085	-.00271	-.19634	.28364	.10516	.00813	-.00399	-.00031	-.19093	.28731	-.68454
.805	-.067	-.00157	-.14388	.28205	.08317	.00469	-.00230	.00045	-.14355	.28221	-.50866
.807	.954	-.00099	-.08275	.27712	.05727	.00266	-.00193	-.00026	-.08736	.27570	-.31685
.809	1.971	-.00043	-.03111	.27356	.03447	.00276	-.00241	-.00013	-.04051	.27233	-.14874
GRADIENT		.00080	.05380	-.00338	-.02298	-.00201	.00070	.00001	.04887	-.00586	.16238

TABULATED SOURCE DATA - LARC 693 (IA43)

DATE 04 APR 75

(AMC001) (05 FEB 75)

LARC 8-TPT-693 (IA43) CONFIGURATION 03/14/87

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDRK = .000 BDFLAP = .000

REFERENCE DATA

SRCE = 2530.0000 SQ. FT. XMRP = 976.0000 IN. XT
LRET = 1230.3300 INCHES YMRP = .0000 IN. YT
SRCT = 1230.3300 INCHES ZMRP = 403.0000 IN. ZT
SCALE = .0100

RUN NO. 6/ D 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CIF	CLMF	CAP	CABD	CMBF	CABD	CABT	CABSRB	CLMBO	CLMBF
.600	-10.980	-75486	.32436	.03137	.03736	.01060	.03652	.09375	.06859	.00232	-.01092
.600	-8.532	-61852	.26301	.03976	.03713	.01360	.03535	.09165	.06409	.00224	-.01092
.600	-6.331	-48375	.21538	.04453	.03697	.01060	.03454	.08834	.06104	.00218	-.01092
.600	-4.237	-35176	.16553	.05870	.03574	.01060	.03338	.08470	.05920	.00211	-.01092
.600	-2.223	-25543	.12597	.08119	.03642	.01060	.03173	.08220	.05691	.00199	-.01092
.600	-1.133	-14582	.08361	.11118	.03512	.01060	.03114	.08013	.05665	.00187	-.01092
.600	1.961	-02343	.03541	.10868	.03589	.01060	.02885	.07794	.05738	.00176	-.01092
.600	4.042	.08724	.00374	.10352	.03568	.01060	.02797	.07728	.05766	.00171	-.01092
.600	6.133	.20600	-.05817	.09473	.03562	.01060	.02767	.07766	.05939	.00172	-.01092
.600	8.223	.32541	-.10808	.08461	.03561	.01060	.02768	.07730	.06029	.00173	-.01092
.600	10.323	.45371	-.15326	.07188	.03551	.01060	.02780	.07755	.06259	.00176	-.01092
GRADIENT		.05383	-.02118	-.00064	-.00013	.01110	-.00067	-.00091	-.00022	-.00005	-.00000

RUN NO. 5/ D 3.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CIF	CLMF	CAP	CABD	CMBF	CABD	CABT	CABSRB	CLMBO	CLMBF
.600	-10.980	-80636	.33362	.11066	.03818	.01219	.04056	.09423	.06717	.00257	-.01256
.600	-8.800	-65534	.27027	.11481	.03783	.01219	.03908	.09023	.06408	.00247	-.01256
.600	-6.635	-50311	.21059	.11959	.03754	.01219	.03731	.08642	.06091	.00235	-.01256
.600	-4.464	-36478	.15840	.12200	.03724	.01219	.03575	.08303	.05793	.00224	-.01256
.600	-2.331	-24034	.10988	.12334	.03634	.01219	.03422	.07973	.05691	.00214	-.01256
.600	-1.191	-11593	.05789	.12181	.03665	.01219	.03278	.07695	.05629	.00204	-.01256
.600	1.958	.00803	.00609	.11848	.03652	.01219	.03213	.07578	.05507	.00200	-.01256
.600	4.098	.13858	-.04531	.11337	.03642	.01219	.03166	.07496	.05690	.00198	-.01256
.600	6.245	.27202	-.10336	.10760	.03632	.01219	.03122	.07416	.05956	.00195	-.01256
.600	8.399	.39593	-.15051	.10456	.03636	.01219	.03138	.07375	.06107	.00196	-.01256
.600	10.546	.51788	-.19115	.09952	.03644	.01219	.03172	.07841	.06452	.00197	-.01256
GRADIENT		.05861	-.02387	-.00103	-.00010	.00000	-.00048	-.00094	-.00018	-.00003	-.00000

DATE 34 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 54

LARC 8-TFT-693 (IA43) CONFIGURATION 05/TA/57

(ANJ001) (05 FEB 75

REFERENCE DATA

SREF = 2690.0000 50. FT. YMRP = 976.0000 IN. XT
 LREF = 1290.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

RUN NO. 4/ 0 RVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	C/F	CLMF	CAF	CNO	CMB	CABO	CABET	CABSRB	CLMBO	CLMBF
.900	-11.178	-.84998	.35373	.13335	.00964	.01351	.04800	.10073	.06910	.00308	-.01393
.920	-8.952	-.66891	.27505	.13805	.00922	.01351	.04586	.09560	.06693	.00294	-.01393
.930	-6.758	-.50493	.20342	.14319	.00886	.01351	.04407	.08943	.06270	.00282	-.01393
.931	-4.551	-.34827	.13658	.14583	.00856	.01351	.04246	.08505	.05918	.00270	-.01393
.931	-2.364	-.19415	.06644	.14570	.00821	.01351	.04059	.08081	.05611	.00257	-.01393
.931	-.189	-.03418	-.00196	.14245	.00810	.01351	.04022	.07814	.05509	.00256	-.01393
.930	1.958	-.07257	-.05114	.14104	.00793	.01351	.03930	.07747	.05377	.00249	-.01393
.930	4.132	.18934	-.08834	.13692	.00779	.01351	.03834	.07900	.06099	.00242	-.01393
.930	6.297	.30276	-.12312	.13266	.00751	.01351	.03717	.07741	.06376	.00234	-.01393
.930	8.473	.43507	-.17619	.12656	.00739	.01351	.03770	.07775	.06959	.00240	-.01393
.931	10.644	.55138	-.22485	.12348	.00777	.01351	.03852	.07983	.07010	.00244	-.01393
GRADIENT		.06186	-.02621	-.00104	-.00008	-.00000	-.00043	-.00071	.00013	-.00003	.00000

RUN NO. 3/ 0 RVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	C/F	CLMF	CAF	CNO	CMB	CABO	CABET	CABSRB	CLMBO	CLMBF
.980	-11.398	-.91100	.37278	.17775	.01241	.01484	.06228	.11236	.08355	.00410	-.01529
.981	-9.111	-.69555	.27778	.18692	.01187	.01484	.05964	.10596	.07954	.00393	-.01529
.981	-6.850	-.51458	.20351	.19159	.01137	.01484	.05695	.10137	.07663	.00372	-.01529
.981	-4.634	-.35375	.13920	.19454	.01091	.01484	.05447	.09833	.07508	.00352	-.01529
.981	-2.425	-.20844	.08328	.19374	.01047	.01484	.05185	.09717	.07387	.00328	-.01529
.980	-.259	-.05268	.02512	.19078	.01043	.01484	.05139	.09744	.07309	.00319	-.01529
.980	1.965	.06878	-.03453	.18786	.01036	.01484	.05194	.09361	.07491	.00321	-.01529
.980	4.132	.19946	-.08966	.18420	.01070	.01484	.05257	.09590	.08035	.00324	-.01529
.980	6.336	.33527	-.14273	.17654	.01078	.01484	.05309	.09294	.08496	.00329	-.01529
.980	8.513	.46562	-.19322	.16943	.01095	.01484	.05390	.09248	.08799	.00334	-.01529
.979	10.697	.59512	-.23653	.16326	.01105	.01484	.05445	.09793	.09130	.00338	-.01529
GRADIENT		.06312	-.02625	-.00121	-.00002	.00000	-.00017	-.00038	.00055	-.00003	.00000

(AMC001) (05 FEB 75)

TABULATED SOURCE DATA - LARC 893 (1A43)

LARC 8-TFT-893 (1A43) CONFIGURATION 03/14/97

DATE 04 APR 75

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-L1 = .000 ELV-R1 = .000
 ELV-R0 = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

REFERENCE DATA

SREF = 2890.0000 SQ. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CIF	CLIF	CAF	CBO	CIBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.120	-11.614	-.93465	.38259	.24146	.01176	.01654	.05991	.10323	.08667	.00383	-.01704
1.125	-9.300	-.72569	.29117	.24967	.01125	.01654	.05616	.09794	.08492	.00363	-.01704
1.130	-7.314	-.54636	.22351	.25193	.01068	.01654	.05323	.09313	.08155	.00343	-.01704
1.135	-4.735	-.37796	.15934	.25031	.01034	.01654	.05150	.09132	.08007	.00331	-.01704
1.140	-2.488	-.21973	.09522	.25131	.01032	.01654	.04984	.09095	.07796	.00319	-.01704
1.145	-.268	-.07138	.03518	.25081	.00957	.01654	.04780	.09212	.07627	.00300	-.01704
1.150	1.934	.06233	-.02180	.25003	.00935	.01654	.04754	.08688	.07621	.00296	-.01704
1.155	4.135	.23373	-.08319	.24770	.00959	.01654	.04774	.08479	.07846	.00297	-.01704
1.160	6.352	.34743	-.14573	.24336	.00972	.01654	.04789	.07978	.08056	.00298	-.01704
1.165	8.555	.47451	-.19959	.23883	.00993	.01654	.04901	.07815	.08351	.00307	-.01704
1.170	10.753	.59235	-.22739	.22839	.00983	.01654	.04856	.08122	.08502	.00304	-.01704
1.175		.65511	-.02714	-.00032	-.00008	-.00000	-.00044	-.00077	-.00023	-.00004	.00000

GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CIF	CLIF	CAF	CBO	CIBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.201	-11.679	-.95176	.39236	.26018	.01166	.01548	.05802	.09954	.08454	.00372	-.01595
1.205	-9.345	-.73553	.29973	.25554	.01100	.01548	.05479	.09468	.08323	.00352	-.01595
1.210	-7.052	-.54752	.22424	.26723	.01051	.01548	.05232	.09042	.08100	.00336	-.01595
1.215	-4.756	-.36895	.15195	.26586	.01020	.01548	.05080	.08741	.07933	.00326	-.01595
1.220	-2.501	-.20591	.08422	.26829	.00993	.01548	.04928	.08526	.07708	.00316	-.01595
1.225	-.257	-.05389	.02422	.26818	.00961	.01548	.04766	.08531	.07445	.00303	-.01595
1.230	1.949	.07318	-.02914	.26581	.00952	.01548	.04707	.08210	.07342	.00296	-.01595
1.235	4.147	.20740	-.08541	.26573	.00942	.01548	.04652	.07962	.07557	.00291	-.01595
1.240	6.366	.34591	-.14476	.26114	.00932	.01548	.04601	.07633	.07777	.00287	-.01595
1.245	8.582	.47859	-.20246	.25776	.00946	.01548	.04657	.07412	.08058	.00291	-.01595
1.250	10.796	.60618	-.24413	.25045	.00955	.01548	.04716	.07407	.08202	.00295	-.01595
1.255		.66439	-.02652	-.00017	-.00009	-.00000	-.00048	-.00084	-.00030	-.00004	.00000

(ARHC002) (05 FEB 75)

LARC 8-78T-693 (1443) CONFIGURATION 02/14/58

REFERENCE DATA

SREF = 2890.0000 IN. FT. XREF = 976.0000 IN. XT
 LREF = 1290.0000 INCHES YREF = .0000 IN. YT
 SREF = 1290.0000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0133

RUN NO. 10/ 0 RWL = 3.16 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA											
BETA = .000 ELV-LO = .000											
ELV-LI = .000 ELV-RI = .000											
ELV-RO = .000 RUDDER = .000											
SPDRK = .000 BOFLAP = .000											
	ALPHA	CLF	CLMF	CAF	CBO	CMB	CABO	CABET	CABSRB	CLMBO	CLMBF
MACN											
.600	-10.633	-.76304	.33113	.08601	.00709	.01060	.03792	.09831	.05756	.00295	-.01092
.599	-8.513	-.62739	.27302	.09225	.00687	.01060	.03668	.09499	.05450	.00284	-.01092
.598	-6.423	-.49367	.21927	.09791	.00660	.01060	.03525	.09136	.05164	.00273	-.01092
.599	-4.331	-.37038	.17442	.10065	.00638	.01060	.03405	.08826	.05003	.00264	-.01092
.599	-2.250	-.27175	.13475	.10383	.00609	.01060	.03251	.08640	.04828	.00252	-.01092
.599	-.165	-.16398	.09433	.10426	.00584	.01060	.03115	.08357	.04690	.00241	-.01092
.600	1.934	-.04840	.04792	.10107	.00566	.01060	.03018	.08113	.04542	.00230	-.01092
.599	4.027	.07133	.00162	.09467	.00556	.01060	.02971	.08109	.04600	.00227	-.01092
.599	6.106	.18757	-.04537	.08755	.00543	.01060	.02903	.08019	.04702	.00228	-.01
.599	8.198	.33679	-.09381	.07690	.00540	.01060	.02901	.08014	.04806	.00227	-.01092
.598	10.297	.43485	-.14483	.06448	.00533	.01060	.02870	.08028	.04976	.00227	-.01092
GRADIENT		.05350	-.02069	-.03371	-.00310	.00000	-.00033	-.00094	-.00052	-.00004	-.00000

RUN NO. 9/ 0 RWL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA											
BETA = .000 ELV-LO = .000											
ELV-LI = .000 ELV-RI = .000											
ELV-RO = .000 RUDDER = .000											
SPDRK = .000 BOFLAP = .000											
	ALPHA	CLF	CLMF	CAF	CBO	CMB	CABO	CABET	CABSRB	CLMBO	CLMBF
MACN											
.899	-11.224	-.86285	.36128	.13020	.00922	.01351	.05013	.10195	.05636	.00405	-.01393
.900	-8.959	-.67928	.28087	.13808	.00871	.01351	.04722	.09540	.05409	.00379	-.01393
.899	-6.775	-.51692	.21013	.14383	.00831	.01351	.04510	.08995	.05117	.00363	-.01393
.900	-4.568	-.36137	.14529	.14312	.00790	.01351	.04264	.08631	.04836	.00339	-.01393
.899	-2.396	-.21779	.08333	.13919	.00756	.01351	.04070	.08277	.04726	.00321	-.01393
.899	-.231	-.08030	.01891	.13737	.00736	.01351	.03977	.07959	.04629	.00317	-.01393
.900	1.943	.05490	-.03604	.13735	.00732	.01351	.03944	.07888	.04495	.00312	-.01393
.899	4.100	.16333	-.06756	.13208	.00725	.01351	.03903	.08121	.04807	.00308	-.01393
.900	6.275	.28895	-.11026	.12794	.00702	.01351	.03793	.07873	.05125	.00301	-.01393
.900	8.456	.42104	-.16333	.12206	.00693	.01351	.03746	.07841	.05523	.00298	-.01393
.900	10.610	.54483	-.21004	.12016	.00709	.01351	.03621	.07980	.05535	.00306	-.01393
GRADIENT		.06099	-.02515	-.03110	-.00007	-.00000	-.00039	-.00061	-.00013	-.00003	-.00000



REFERENCE DATA
 SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA
 BETA = .000 ELV-LO = .000
 ELV-L1 = .000 ELV-R1 = .000
 ELV-R0 = .000 RUDDER = .000
 SPDGRK = .000 BOFLAP = .000

WACH	ALPHA	CLMF	CAF	CMB	CMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.129	-11.643	.40353	.23834	.01148	.01654	.06185	.10832	.07388	.00490	-.01704
1.130	-9.340	.32017	.24525	.01087	.01654	.05357	.10291	.07077	.00464	-.01704
1.129	-7.047	.24676	.24815	.01032	.01654	.05585	.09783	.06807	.00441	-.01704
1.130	-4.772	.17779	.24675	.01032	.01654	.05402	.09544	.06813	.00428	-.01704
1.130	-2.537	.11540	.24555	.00964	.01654	.05171	.09624	.06672	.00405	-.01704
1.129	-.8946	.05729	.24591	.00935	.01654	.04963	.09654	.06588	.00381	-.01704
1.130	.1314	-.00570	.24470	.00943	.01654	.05007	.09241	.06541	.00362	-.01704
1.130	4.119	-.05563	.24183	.00930	.01654	.05037	.09521	.06586	.00384	-.01704
1.130	6.333	-.12658	.23723	.00954	.01654	.05061	.08530	.06693	.00386	-.01704
1.130	8.543	-.45526	.23145	.00980	.01654	.05203	.08378	.06962	.00398	-.01704
1.130	10.736	-.56842	.22022	.00949	.01654	.05033	.08888	.07138	.00384	-.01704
GRADIENT			-.00033	-.00006	.00000	-.00040	-.00064	-.00026	-.00005	.00000

WACH	ALPHA	CLMF	CAF	CMB	CMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.230	-11.693	.41009	.25633	.01197	.01548	.06412	.10286	.07115	.00501	-.01595
1.231	-9.333	.31679	.26138	.01123	.01548	.06009	.09917	.07008	.00467	-.01595
1.230	-7.046	.23902	.26396	.01074	.01548	.05746	.09456	.06776	.00447	-.01595
1.230	-4.762	.16333	.26371	.01027	.01548	.05503	.09124	.06652	.00429	-.01595
1.230	-2.498	.09607	.26506	.00985	.01548	.05269	.08917	.06451	.00410	-.01595
1.230	-.06390	.03579	.26388	.00941	.01548	.05018	.08929	.06305	.00387	-.01595
1.230	1.942	-.06287	.26118	.00927	.01548	.04933	.08672	.06231	.00379	-.01595
1.230	4.151	.19627	.25913	.00927	.01548	.04929	.08431	.06328	.00378	-.01595
1.230	6.377	-.13085	.25485	.00918	.01548	.04880	.08093	.06491	.00374	-.01595
1.230	8.590	-.46730	.24989	.00927	.01548	.04938	.07884	.06739	.00380	-.01595
1.230	10.811	-.59016	.24132	.00938	.01548	.05005	.07931	.06879	.00387	-.01595
GRADIENT			-.00039	-.00012	.00000	-.00067	-.00073	-.00039	-.00006	.00000

ORIGINAL PAGE IS
 OF POOR QUALITY

LARC 8-TPT-693 (1A43) CONFIGURATION 02/14/56

(AMC003) (05 FEB 75)

REFERENCE DATA

3REF = 2680.0000 SQ. FT. 106P = 976.0000 IN. XT
 1REF = 1250.3000 INCHES YMRP = .0000 IN. YT
 2REF = 1250.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRNK = .000 BOFLAP = .000

RUN NO. 13/ D RIVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	Q/F	CLMF	CAF	QMB	QMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
.600	-10.605	-.75560	.32436	.08591	.00720	.01060	.03846	.09445	.07164	.00298	-.01092
.600	-8.488	-.61413	.26739	.09467	.00695	.01060	.03706	.09064	.06728	.00287	-.01092
.600	-6.400	-.48431	.21492	.10354	.00571	.01060	.03582	.08717	.06375	.00276	-.01092
.601	-4.297	-.36356	.16777	.10560	.00641	.01060	.03424	.08297	.06183	.00265	-.01092
.602	-2.211	-.25392	.12543	.10689	.00619	.01060	.03304	.08138	.06138	.00256	-.01092
.603	-.127	-.14403	.08213	.10674	.00597	.01060	.03198	.07872	.06056	.00247	-.01092
.600	1.962	-.02799	.03432	.10305	.00583	.01060	.03111	.07670	.05923	.00241	-.01092
.600	4.036	.09254	-.01255	.08639	.00568	.01060	.03038	.07622	.05953	.00236	-.01092
.598	6.146	.21251	-.05249	.08642	.00575	.01060	.03089	.07696	.06134	.00243	-.01092
.599	8.241	.33403	-.11197	.07909	.00556	.01060	.02995	.07465	.06137	.00236	-.01092
.600	10.348	.45738	-.16023	.06731	.00551	.01060	.02984	.07457	.06331	.00234	-.01092
GRADIENT		.05451	-.02164	-.00101	-.00009	.00000	-.00046	-.00087	-.00032	-.00003	-.00000

RUN NO. 12/ D RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	Q/F	CLMF	CAF	QMB	QMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
.900	-11.170	-.85450	.35836	.13106	.00839	.01351	.05063	.10322	.07158	.00401	-.01393
.899	-8.943	-.67191	.27780	.13602	.00892	.01351	.04795	.09430	.06967	.00377	-.01393
.900	-6.753	-.51090	.20740	.14068	.00849	.01351	.04559	.08787	.06637	.00358	-.01393
.899	-4.546	-.33769	.14417	.13935	.00812	.01351	.04345	.08451	.06406	.00338	-.01393
.899	-2.337	-.21380	.08074	.13708	.00773	.01351	.04127	.08109	.06275	.00320	-.01393
.899	-.196	-.06899	.01067	.13642	.00751	.01351	.04017	.07796	.06128	.00313	-.01393
.899	1.973	.06204	-.04246	.13376	.00741	.01351	.03967	.07747	.06082	.00308	-.01393
.899	4.134	.17567	-.07747	.13223	.00727	.01351	.03891	.07793	.06400	.00303	-.01393
.900	6.304	.29846	-.11974	.12660	.00720	.01351	.03882	.07755	.06661	.00300	-.01393
.901	8.480	.43921	-.17313	.12245	.00727	.01351	.03890	.07698	.07110	.00303	-.01393
.900	10.634	.55659	-.21918	.11923	.00743	.01351	.03976	.07881	.07313	.00310	-.01393
GRADIENT		.06190	-.02612	-.00378	-.00009	.00000	-.00049	-.00077	-.00010	-.00004	-.00000

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (1A43)

LARC 8-TPT-693 (1A43) CONFIGURATION 02/74/56

(AMC003) (05 FEB 75)

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

REFERENCE DATA

WREF = 2690.0000 SQ.FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 17/ 0 RV/L = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

WACH	ALPHA	C/F	CLMF	CAF	C/BO	C/8F	C/BO	CABO	CABET	CABSRB	CLMBO	CLMBF
1.130	-11.621	-9.4908	.39323	.23945	.01120	.01634	.06022	.10184	.08984	.00474	-.01704	-.01704
1.131	-9.336	-.74815	.31127	.24620	.01074	.01634	.05766	.09701	.08967	.00452	-.01704	-.01704
1.132	-6.937	-.55964	.23750	.24931	.01029	.01634	.05519	.09248	.08211	.00432	-.01704	-.01704
1.133	-4.748	-.38752	.16897	.24568	.00998	.01634	.05342	.08971	.08054	.00416	-.01704	-.01704
1.134	-2.432	-.22793	.10391	.25005	.00956	.01634	.05148	.08958	.07851	.00397	-.01704	-.01704
1.135	-.07601	.04372	.04938	.24938	.00941	.01634	.04997	.08945	.07671	.00382	-.01704	-.01704
1.136	1.948	.05202	-.01943	.24868	.00945	.01634	.05015	.08562	.07609	.00363	-.01704	-.01704
1.137	4.144	.21105	-.08143	.24565	.00955	.01634	.05066	.08292	.07922	.00387	-.01704	-.01704
1.129	6.361	.34358	-.14286	.23932	.00973	.01634	.05160	.07885	.08236	.00394	-.01704	-.01704
1.129	8.965	.46938	-.19432	.23377	.00985	.01634	.05236	.07729	.08267	.00400	-.01704	-.01704
1.130	10.758	.58140	-.22462	.22373	.00923	.01634	.05052	.08150	.08698	.00385	-.01704	-.01704
GRADIENT		.05603	-.02808	-.00033	-.00005	.00000	-.00031	-.00079	-.00023	-.00003		

LARC 8-TPT-693 (1A43) CONFIGURATION 02/74/53

(AMC004) (05 FEB 75)

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

REFERENCE DATA

WREF = 2690.0000 SQ.FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 17/ 0 RV/L = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

WACH	ALPHA	C/F	CLMF	CAF	C/BO	C/8F	C/BO	CABO	CABET	CABSRB	CLMBO	CLMBF
.600	-10.592	-.73598	.32863	.08411	.00715	.01060	.03931	.09601	.09601	.07261	.00299	-.01092
.600	-8.303	-.62291	.27382	.09234	.00692	.01060	.03707	.09240	.08619	.06819	.00289	-.01092
.600	-6.331	-.48916	.21908	.09816	.00670	.01060	.03591	.08916	.08464	.06281	.00281	-.01092
.600	-4.307	-.36728	.17197	.10396	.00641	.01060	.03433	.08516	.08215	.06268	.00268	-.01092
.601	-2.223	-.23761	.12934	.10675	.00614	.01060	.03283	.08324	.08126	.06255	.00255	-.01092
.600	-.02817	.02817	.08769	.10604	.00595	.01060	.03185	.08077	.08067	.06248	.00248	-.01092
.600	1.934	.02817	.03763	.10224	.00577	.01060	.03087	.07825	.07825	.05922	.00240	-.01092
.601	4.047	.09055	-.00909	.09634	.00563	.01060	.02987	.07769	.07769	.05948	.00235	-.01092
.600	6.133	.20324	-.05497	.08865	.00558	.01060	.02899	.07740	.07740	.06075	.00236	-.01092
.600	8.217	.32534	-.10533	.07883	.00550	.01060	.02866	.07648	.07648	.06128	.00235	-.01092
.600	10.316	.45185	-.15954	.06373	.00546	.01060	.02948	.07679	.07679	.06305	.00235	-.01092
GRADIENT		.03483	-.02173	-.00035	-.00009	.00000	-.00030	-.00095	-.00023	-.00004		

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 593 (1A43)

PAGE 22

LARC 8-TFT-693 (1A43) CONFIGURATION 02/74/52

INCE004/ 1 US FEB 75

REFERENCE DATA

3127 = 2880.0000 54 FT. XMRP = 976.0000 IN. XT
 -REF = 1290.3000 INCHES YMRP = .0000 IN. YT
 3127 = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .003 RUDDER = .000
 S-WRK = .000 BOFLAP = .000

RUN NO. 16/ 0 RWL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLF	CLMF	CAF	CMBO	CMF	CABO	CABSTB	CLMB	CLMF
.901	-11.193	-0.6101	.36451	.13128	.02941	.01351	.05076	.05036	.00403	-.01393
.902	-8.960	-0.6746	.28271	.13780	.02894	.01351	.04801	.09427	.00377	-.01393
.903	-6.753	-0.5192	.20943	.13940	.02857	.01351	.04607	.08902	.00362	-.01393
.904	-4.564	-0.35824	.14462	.14030	.02817	.01351	.04371	.08509	.00340	-.01393
.905	-2.384	-0.21204	.08192	.13909	.02777	.01351	.04151	.08152	.00322	-.01393
.906	-.028	-0.07231	.01454	.13782	.02759	.01351	.04061	.06229	.00316	-.01393
.907	1.961	.05973	-.03933	.13716	.02744	.01351	.03981	.06097	.00310	-.01393
.908	4.126	.17589	-.07582	.13293	.02735	.01351	.03940	.06469	.00308	-.01393
.909	6.288	.29652	-.11454	.12896	.02721	.01351	.03850	.06474	.00300	-.01393
.910	8.465	.42655	-.16675	.12315	.02728	.01351	.03897	.07089	.00304	-.01393
.911	10.629	.55054	-.21476	.11975	.02741	.01351	.03971	.07165	.00310	-.01393
GRADIENT		.06150	-.02589	-.00077	-.00009	-.00000	-.00048	-.00019	-.00004	.00000

RUN NO. 15/ 0 RWL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLF	CLMF	CAF	CMBO	CMF	CABO	CABSTB	CLMB	CLMF
1.130	-11.608	-0.94829	.39624	.23997	.01122	.01654	.06033	.10242	.00475	-.01704
1.131	-9.311	-0.74614	.31189	.24733	.01080	.01654	.05796	.09884	.00455	-.01704
1.132	-7.037	-0.56680	.24223	.24937	.01039	.01654	.05571	.09500	.00436	-.01704
1.133	-4.747	-0.38872	.17202	.25011	.01004	.01654	.05375	.09264	.00419	-.01704
1.134	-2.531	-0.22926	.10761	.25051	.00972	.01654	.05175	.09330	.00396	-.01704
1.135	-.268	-0.07795	.04555	.25023	.00942	.01654	.04999	.09392	.00382	-.01704
1.136	1.939	.05921	-.01300	.24895	.00944	.01654	.05006	.09395	.00381	-.01704
1.137	4.137	.19814	-.07471	.24676	.00947	.01654	.05025	.09386	.00383	-.01704
1.138	6.349	.33841	-.13613	.23995	.00959	.01654	.05085	.09231	.00387	-.01704
1.139	8.532	.47176	-.19232	.23359	.00981	.01654	.05211	.09084	.00398	-.01704
1.140	10.744	.57320	-.21831	.22432	.00943	.01654	.05201	.08677	.00381	-.01704
GRADIENT		.06581	-.02765	-.00037	-.00006	.00000	-.00039	-.00014	-.00004	.00000

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)
LARC 8-TPT-693 (IA43) CONFIGURATION 02/74/93

(AMC004) (05 FEB 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1293.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 14/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CDF	CLMF	CAP	CIBO	CIBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.201	-11.695	-.96384	.40680	.25018	.01138	.01348	.05123	.10007	.08665	.00483	-.01595
1.201	-9.337	-.74593	.31161	.26354	.01075	.01548	.05771	.03514	.08488	.00453	-.01595
1.203	-7.053	-.55561	.23431	.20597	.01026	.01548	.05204	.03126	.08144	.00431	-.01595
1.203	-4.778	-.37631	.16037	.26786	.00989	.01548	.05331	.08890	.07939	.00415	-.01595
1.203	-2.512	-.21307	.09253	.26870	.00952	.01548	.05281	.08766	.07817	.00393	-.01595
1.203	-.05271	-.05271	.03310	.26797	.00316	.01548	.04864	.08754	.07659	.00372	-.01595
1.203	1.826	.06510	-.01916	.26460	.00915	.01548	.04852	.08567	.07664	.00370	-.01595
1.203	4.146	.20122	-.07926	.26229	.00914	.01548	.04844	.08202	.07605	.00369	-.01595
1.203	6.362	.34372	-.13827	.25859	.00910	.01548	.04820	.07782	.07961	.00366	-.01595
1.203	8.967	.47717	-.19789	.25327	.00330	.01548	.04926	.07537	.08271	.00374	-.01595
1.203	10.803	.60301	-.23672	.24411	.00337	.01548	.04972	.07669	.08399	.00379	-.01595
GRADIENT		.06433	-.02552	-.00058	-.00006	-.00000	-.00000	-.00071	-.00019	-.00005	.00000

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDRK = .000 BDFLAP = .000

(AMC005) (05 FEB 75)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/74/92

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 21/ 0 RIVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CDF	CLMF	CAP	CIBO	CIBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.201	-10.998	-.76288	.33035	.07948	.00712	.01060	.03612	.09672	.07529	.00297	-.01082
1.201	-8.491	-.62149	.27202	.08747	.00689	.01060	.03680	.08352	.07069	.00288	-.01082
1.201	-6.340	-.48806	.21782	.09393	.00665	.01060	.03568	.08979	.06697	.00279	-.01082
1.203	-4.298	-.36798	.17152	.09960	.00640	.01060	.03428	.08629	.06469	.00267	-.01082
1.203	-2.226	-.26144	.12931	.10120	.00617	.01060	.03302	.08449	.06409	.00258	-.01082
1.203	-.130	-.15037	.08640	.10055	.00597	.01060	.03182	.08202	.06357	.00249	-.01082
1.203	1.971	-.03230	.03871	.09860	.00578	.01060	.03091	.07935	.06168	.00241	-.01082
1.203	6.048	.20165	-.01115	.09119	.00565	.01060	.03028	.07692	.06255	.00237	-.01082
1.203	8.141	.20264	-.05666	.08365	.00555	.01060	.02967	.07592	.06336	.00235	-.01082
1.203	8.237	.32742	-.10785	.07297	.00550	.01060	.02967	.07793	.06426	.00236	-.01082
1.203	10.333	.45010	-.15603	.05093	.00543	.01060	.02933	.07765	.06378	.00234	-.01082
GRADIENT		.03499	-.32183	-.00009	-.00000	-.00000	-.00049	-.00095	-.00031	-.00004	-.00000

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDRK = .000 BDFLAP = .000

TABULATED SOURCE DATA - LARC 693 (1A43)

DATE 24 APR 75

LARC 693 (1A43) (05 FEB 75

LARC 8-TPT-693 (1A43) CONFIGURATION 02/74/92

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SA.FT. YMRP = 976.0000 IN. XT
 LREF = 1290.3333 INCHES YMRP = .0000 IN. YT
 DREF = 1290.3333 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .0000
 ELV-LO = .0000
 ELV-HI = .0000
 RUDDER = .0000
 BOFLAP = .0000

RUN NO. 20/ 0 RIVL = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CIF	CLMF	CAF	CBO	CMBF	CBO	CABET	CABSRB	CLMBO	CLMBF
.900	-11.178	-86420	.36529	.12782	.00945	.01351	.05095	.10143	.07390	.00404	-.01393
.900	-8.950	-87793	.28239	.13444	.00891	.01351	.04787	.09547	.07255	.00376	-.01393
.900	-6.742	-51048	.20876	.13663	.00858	.01351	.04610	.09026	.07043	.00362	-.01393
.901	-4.544	-35645	.14524	.13840	.00816	.01351	.04362	.08604	.06758	.00339	-.01393
.902	-2.367	-21538	.08328	.13991	.00781	.01351	.04168	.08298	.06548	.00322	-.01393
.901	-1.195	-106798	.01168	.13486	.00763	.01351	.04080	.08001	.06401	.00317	-.01393
.900	1.960	.03966	-.04029	.13321	.00748	.01351	.03997	.07914	.06269	.00310	-.01393
.901	4.144	.17543	-.07653	.13126	.00734	.01351	.03923	.08000	.06320	.00304	-.01393
.901	6.305	.29510	-.11496	.12539	.00730	.01351	.03903	.07933	.06758	.00303	-.01393
.901	8.468	.42949	-.16929	.12099	.00732	.01351	.03915	.07853	.07159	.00305	-.01393
.901	10.641	.55291	-.21654	.11663	.00745	.01351	.03989	.08054	.07221	.00311	-.01393
	GRADIENT	.06159	-.02613	-.00078	-.00009	-.00000	-.00048	-.00073	-.00033	-.00004	.00000

RUN NO. 18/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CIF	CLMF	CAF	CBO	CMBF	CBO	CABET	CABSRB	CLMBO	CLMBF
1.130	-11.602	-93025	.39655	.23734	.01125	.01654	.06048	.10434	.09174	.00476	-.01704
1.130	-9.300	-74528	.31082	.24343	.01075	.01654	.05771	.10059	.08996	.00453	-.01704
1.130	-7.002	-56282	.23934	.24584	.01030	.01654	.05530	.09616	.08601	.00433	-.01704
1.129	-4.739	-38999	.17199	.24671	.00996	.01654	.05326	.09342	.08427	.00416	-.01704
1.130	-2.492	-23020	.10823	.24756	.00963	.01654	.05135	.09416	.08268	.00396	-.01704
1.129	-.271	-.07994	.04645	.24704	.00938	.01654	.04977	.09311	.08187	.00380	-.01704
1.130	1.932	.03474	-.01155	.24592	.00947	.01654	.05021	.09175	.08207	.00382	-.01704
1.130	4.154	.19725	-.07469	.24572	.00945	.01654	.05010	.08931	.08199	.00381	-.01704
1.130	6.380	.34011	-.13771	.23971	.00960	.01654	.05090	.08285	.08331	.00388	-.01704
1.128	8.554	.46860	-.19299	.23251	.00978	.01654	.05191	.08060	.08378	.00397	-.01704
1.129	10.772	.58290	-.22277	.22241	.00944	.01654	.05002	.08462	.08740	.00381	-.01704
	GRADIENT	.06372	-.02761	-.00016	-.00005	.00000	-.00035	-.00057	-.00024	-.00004	.00000

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/74/32

(AMC005) (05 FEB 75)

REFERENCE DATA

WREF = 2690.0000 26. FT. WREF = 976.0000 IN. XT
LREF = 1290.3000 INCHES WREF = .0000 IN. YT
BREF = 1290.3000 INCHES WREF = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 19/ 0 R/VL = 4.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CLMF	CMB	CMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.200	-11.687	-5.6613	.43593	.01134	.01548	.06101	.10123	.08790	.00481	-.01995
1.201	-9.354	-7.1071	.31194	.01064	.01548	.05714	.09633	.07692	.00449	-.01995
1.202	-7.032	-5.1488	.23351	.01014	.01548	.05445	.09184	.08414	.00427	-.01995
1.203	-4.757	-3.7708	.15976	.00978	.01548	.05247	.08911	.08211	.00411	-.01995
1.204	-2.515	-2.1200	.09383	.00946	.01548	.05052	.08792	.08056	.00391	-.01995
1.205	-.299	-.08247	.03316	.00913	.01548	.04851	.08798	.07873	.00371	-.01995
1.206	1.938	.06563	-.01975	.00914	.01548	.04844	.08694	.07850	.00369	-.01995
1.207	4.153	.20387	-.07395	.00911	.01548	.04826	.08282	.07946	.00367	-.01995
1.208	6.395	.34072	-.13835	.00910	.01548	.04816	.07930	.08032	.00366	-.01995
1.209	8.597	.47762	-.19838	.00927	.01548	.04913	.07682	.08291	.00374	-.01995
1.200	10.807	.60582	-.23696	.00935	.01548	.04955	.07759	.08444	.00378	-.01995
GRADIENT	.06461	-.02650	-.00053	-.00008	-.00000	-.00047	-.00061	-.00033	-.00003	.00000

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDRK = .000 BOFLAP = .000

REFERENCE DATA

WREF = 2690.0000 26. FT. WREF = 976.0000 IN. XT
LREF = 1290.3000 INCHES WREF = .0000 IN. YT
BREF = 1290.3000 INCHES WREF = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 27/ 0 R/VL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CLMF	CMB	CMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.200	-10.582	-.76712	.33289	.00724	.01060	.03681	.09697	.07153	.00303	-.01092
1.201	-8.474	-.62317	.27339	.00699	.01060	.03741	.09323	.06694	.00292	-.01092
1.202	-6.372	-.49172	.22122	.00673	.01060	.03603	.08961	.06403	.00281	-.01092
1.203	-4.292	-.37359	.17496	.00644	.01060	.03432	.08584	.06205	.00270	-.01092
1.204	-2.138	-.26624	.13404	.00622	.01060	.03321	.08419	.06208	.00258	-.01092
1.205	-.121	-.15469	.09059	.00599	.01060	.03202	.08149	.06158	.00249	-.01092
1.206	1.959	-.03754	.04317	.00584	.01060	.03126	.07942	.06055	.00243	-.01092
1.207	4.072	.08369	-.00568	.00573	.01060	.03072	.07906	.06099	.00240	-.01092
1.208	6.161	.20006	-.05315	.00560	.01060	.03014	.07794	.06186	.00237	-.01092
1.209	8.248	.32640	-.10545	.00559	.01060	.03018	.07802	.06325	.00240	-.01092
1.200	10.343	.44933	-.15476	.00554	.01060	.02969	.07790	.06372	.00237	-.01092
GRADIENT	.05476	-.02165	-.00034	-.00009	-.00000	-.00046	-.00068	-.00017	-.00004	.00000

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDRK = .000 BOFLAP = .000

(AMC006) (05 FEB 75)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/74/37

ORIGINAL PAGE IS
OF POOR QUALITY

LARC 8-TPT-693 (1A43) CONFIGURATION 02/14/57

(ARC006) (05 FEB 75)

REFERENCE DATA

SREF = 2630.0000 30.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 14-INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 14-INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SFDWRK = .000 BDFLAP = .000

RUN NO. 26/ D RV/L = 3.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CIF	CLMF	CAF	CMB	CMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
.001	-10.933	-.81350	.34011	.10545	.00811	.01219	.04341	.09499	.07001	.00339	-.01256
.001	-8.784	-.66247	.27678	.11005	.00773	.01219	.04131	.09060	.06701	.00321	-.01256
.001	-6.629	-.50387	.21692	.11488	.00740	.01219	.03940	.08718	.06359	.00303	-.01256
.001	-4.459	-.37273	.16479	.11719	.00708	.01219	.03762	.08411	.06048	.00288	-.01256
.001	-2.317	-.25217	.11912	.11797	.00677	.01219	.03596	.08111	.05941	.00275	-.01256
.001	-.183	-.13265	.06941	.11552	.00654	.01219	.03483	.07876	.05942	.00268	-.01256
.001	1.962	-.00375	.01623	.11269	.00635	.01219	.03393	.07736	.05782	.00263	-.01256
.001	4.124	.12770	-.03323	.10555	.00621	.01219	.03326	.07661	.05994	.00260	-.01256
.001	6.259	.26126	-.09430	.10158	.00611	.01219	.03273	.07537	.06263	.00256	-.01256
.001	8.407	.38742	-.14179	.09817	.00614	.01219	.03292	.07653	.06407	.00257	-.01256
.001	10.555	.51072	-.18449	.09307	.00624	.01219	.03337	.07863	.06696	.00259	-.01256
GRADIENT		.05826	-.02345	-.00123	-.00000	-.00000	-.00000	-.00007	-.00012	-.00003	-.00000

RUN NO. 25/ D RV/L = 3.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CIF	CLMF	CAF	CMB	CMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
.001	-11.165	-.86254	.36426	.12860	.00947	.01351	.05112	.10193	.07112	.00406	-.01393
.001	-8.938	-.67849	.28307	.13409	.00902	.01351	.04935	.09618	.06933	.00384	-.01393
.001	-6.725	-.51603	.21248	.13857	.00860	.01351	.04628	.09203	.06564	.00365	-.01393
.001	-4.515	-.36116	.14914	.13904	.00824	.01351	.04414	.08640	.06283	.00345	-.01393
.001	-2.300	-.22043	.08725	.13668	.00790	.01351	.04222	.08330	.06196	.00328	-.01393
.001	-.186	-.07340	.01676	.13476	.00767	.01351	.04111	.07996	.06141	.00322	-.01393
.001	1.981	.05555	-.03526	.13452	.00760	.01351	.04069	.07938	.06043	.00318	-.01393
.001	4.140	.16910	-.05994	.13193	.00749	.01351	.04012	.08055	.06406	.00314	-.01393
.001	6.313	.29127	-.11148	.12698	.00734	.01351	.03933	.07906	.06667	.00307	-.01393
.001	8.485	.42523	-.16684	.12162	.00734	.01351	.03934	.07891	.07083	.00308	-.01393
.001	10.643	.55449	-.21673	.11873	.00746	.01351	.03999	.08049	.07224	.00312	-.01393
GRADIENT		.06164	-.02590	-.00075	-.00006	-.00000	-.00044	-.00072	.00004	-.00003	-.00000

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 65

(AWC006) (05 FEB 75)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57

REFERENCE DATA

REF = 2600.0000 IN. FT. XBP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 SREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 24/ 0 RVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

WAOH	ALPHA	CAF	CLMF	CAF	CBO	CBOF	CBO	CABET	CABSRB	CLMBO	CLMBF
.980	-11.332	-.92417	.30689	.17412	.01182	.01484	.06391	.11477	.08684	.00909	-.01529
.981	-9.110	-.72078	.29826	.18346	.01137	.01484	.05137	.10862	.08319	.00487	-.01529
.981	-6.847	-.54246	.22815	.18529	.01092	.01484	.03884	.10384	.08083	.00465	-.01529
.981	-4.634	-.38593	.15821	.18815	.01053	.01484	.03554	.10302	.07927	.00444	-.01529
.981	-2.424	-.24132	.11297	.18678	.01019	.01484	.03445	.09863	.07796	.00423	-.01529
.981	-.223	-.09774	.08493	.18413	.01023	.01484	.03460	.09930	.07728	.00433	-.01529
.980	1.963	.04437	-.01228	.18070	.01050	.01484	.03602	.09515	.07778	.00441	-.01529
.980	4.158	.18073	-.06932	.17744	.01076	.01484	.03728	.09431	.08294	.00431	-.01529
.980	6.333	.31772	-.12362	.17024	.01052	.01484	.03600	.09369	.08720	.00425	-.01529
.980	8.327	.44676	-.17391	.16431	.01046	.01484	.03554	.09343	.09045	.00439	-.01529
.979	10.703	.56790	-.21744	.15786	.01067	.01484	.03691	.09974	.09343	.00000	-.00000
	GRADIENT	.06470	-.02734	-.00125	.00003	.00000	.00014	-.00041	.00000		

RUN NO. 23/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

WAOH	ALPHA	CAF	CLMF	CAF	CBO	CBOF	CBO	CABET	CABSRB	CLMBO	CLMBF
1.130	-11.804	-.95646	.40298	.23778	.01126	.01654	.06083	.10477	.08989	.00478	-.01704
1.132	-9.285	-.75261	.31785	.24457	.01081	.01554	.05816	.09974	.08659	.00456	-.01704
1.131	-7.014	-.55830	.24545	.24744	.01034	.01554	.05556	.09464	.08366	.00437	-.01704
1.130	-4.732	-.39541	.17702	.24718	.01003	.01554	.05380	.09183	.08280	.00422	-.01704
1.130	-2.482	-.23317	.11092	.24756	.00974	.01554	.05206	.09226	.08140	.00404	-.01704
1.130	-.262	-.08309	.04905	.24727	.00949	.01554	.05046	.09312	.08002	.00387	-.01704
1.130	1.932	.05267	-.01043	.24483	.00936	.01554	.05075	.09971	.07952	.00388	-.01704
1.130	4.161	.19331	-.07280	.24487	.00967	.01554	.05133	.08592	.08044	.00392	-.01704
1.130	6.362	.33985	-.13677	.23960	.00987	.01554	.05239	.09088	.08235	.00400	-.01704
1.130	8.580	.46152	-.18714	.23485	.01005	.01554	.05339	.09188	.08512	.00409	-.01704
1.129	10.772	.57905	-.21670	.22384	.00959	.01554	.05091	.08395	.08706	.00399	-.01704
	GRADIENT	.06386	-.02735	-.00004	-.00003	.00000	-.00028	-.00064	-.00000		

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 66

(AMC006) (05 FEB 75)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/74/37

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1293.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 22/ 0 RVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

MACI	ALPHA	CIF	CLMF	CABO	CABF	CASO	CABET	CABSRB	CLMBO	CLMBF
1.200	-11.663	-.96780	.41009	.01139	.01548	.06128	.10093	.06663	.00484	-.01595
1.200	-9.335	-.75281	.31585	.01074	.01548	.05769	.09340	.06583	.00453	-.01595
1.200	-7.034	-.55669	.23757	.01028	.01548	.05526	.09130	.06358	.00435	-.01595
1.200	-4.745	-.37677	.16243	.00991	.01548	.05322	.08759	.06183	.00418	-.01595
1.200	-2.904	-.21696	.09347	.00963	.01548	.05155	.08611	.06000	.00402	-.01595
1.200	-.249	-.06467	.03459	.00932	.01548	.04961	.08615	.05757	.00381	-.01595
1.201	1.932	.06798	-.02075	.00928	.01548	.04927	.08400	.07620	.00377	-.01595
1.201	4.169	.20284	-.07995	.00934	.01548	.04958	.08050	.07754	.00378	-.01595
1.200	6.386	.34079	-.13839	.00936	.01548	.04962	.07729	.07942	.00378	-.01595
1.200	8.584	.47392	-.19558	.00931	.01548	.05046	.07457	.08232	.00385	-.01595
1.200	10.810	.59281	-.23096	.00933	.01548	.05057	.07644	.08568	.00387	-.01595
1.200	GRADIENT	.06482	-.02697	-.00007	.00000	-.00043	-.00073	-.00056	-.00005	-.00000

LARC 8-TPT-693 (IA43) CONFIGURATION 02/74/37

(AMC007) (05 FEB 75)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1293.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 32/ 0 RVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

MACI	BETA	CIF	CLMF	CABO	CABF	CASO	CABET	CABSRB	CLMBO	CLMBF
.601	-13.346	-.10069	.05979	.00767	.01060	.04127	.08989	.05771	.00325	-.01092
.601	-8.280	-.10448	.06356	.00730	.01060	.03916	.08759	.05651	.00307	-.01092
.399	-6.214	-.11813	.07192	.00697	.01060	.03722	.08549	.05445	.00289	-.01092
.600	-4.152	-.12945	.07812	.00660	.01060	.03521	.08393	.05299	.00273	-.01092
.601	-2.087	-.14293	.08302	.00619	.01060	.03303	.08218	.05150	.00255	-.01092
.600	-.027	-.15133	.08745	.00599	.01060	.03205	.08171	.05017	.00249	-.01092
.600	2.030	-.15273	.08474	.00568	.01060	.03258	.08214	.04950	.00250	-.01092
.399	4.032	-.14330	.07568	.00535	.01060	.03376	.08405	.04687	.00257	-.01092
.399	6.196	-.13431	.06568	.00571	.01060	.03524	.08666	.07143	.00262	-.01092
.399	8.233	-.12238	.05429	.00706	.01060	.03686	.08962	.07384	.00270	-.01092
.399	10.288	-.10953	.04248	.00736	.01060	.03842	.09245	.07583	.00281	-.01092
.399	GRADIENT	-.02182	-.00013	-.00003	.00000	-.00016	-.00001	-.00149	-.00002	-.00000

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (1A43)

PAGE 67

LARC 6-TPT-693 (1A43) CONFIGURATION 02/74/87

(AMC007) (05 FEB 75)

REFERENCE DATA

STEP = 2500.0000 IN. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3333 INCHES YREF = .0000 IN. YT
 ZREF = .290.3333 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 31/ 0 RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CF	CLMF	CAF	CLBO	CLBF	CABO	CABET	CABSRB	CLMBO	CLMBF
.300	-10.749	-.08016	.33267	.14785	.01308	.01351	.05420	.09480	.05901	.00426	-.01393
.300	-8.524	-.07376	.32836	.14609	.00939	.01351	.05133	.09345	.05920	.00400	-.01393
.300	-6.439	-.06955	.32506	.14973	.00914	.01351	.04993	.08981	.05691	.00380	-.01393
.300	-4.258	-.06878	.32176	.14756	.00371	.01351	.04669	.08582	.05706	.00365	-.01393
.300	-2.153	-.06389	.31605	.14268	.00812	.01351	.04365	.08179	.05964	.00343	-.01393
.300	-.039	-.08132	.31905	.13484	.00765	.01351	.04099	.08020	.06157	.00320	-.01393
.300	2.096	-.07931	.31756	.13821	.00775	.01351	.04138	.08379	.06093	.00320	-.01393
.300	4.203	-.08231	.32160	.13892	.00825	.01351	.04394	.08848	.06212	.00338	-.01393
.300	6.333	-.08614	.32606	.13363	.00932	.01351	.04561	.09077	.06482	.00336	-.01393
.300	8.456	-.08905	.32512	.12836	.00887	.01351	.04732	.09368	.07253	.00371	-.01393
.300	10.586	-.08142	.32083	.12231	.00829	.01351	.04953	.09651	.07721	.00383	-.01393
GRADIENT		-.00172	.00315	-.00103	-.00206	.00000	-.00037	.00035	.00054	-.00004	.00000

PARAMETRIC DATA

ALPHA = .003 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .003 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 30/ 0 RIVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CF	CLMF	CAF	CLBO	CLBF	CABO	CABET	CABSRB	CLMBO	CLMBF
.300	-10.749	-.08553	.04244	.19568	.01249	.01526	.06712	.10832	.07089	.00327	-.01573
.300	-8.609	-.07478	.03873	.19951	.01189	.01526	.06370	.10776	.07017	.00498	-.01573
.300	-6.439	-.07864	.04415	.20039	.01139	.01526	.06085	.10439	.06983	.00472	-.01573
.300	-4.310	-.08394	.04769	.19871	.01098	.01526	.05851	.10153	.07154	.00451	-.01573
.300	-2.162	-.08804	.04920	.19096	.01073	.01526	.05728	.09818	.07456	.00443	-.01573
.300	-.040	-.10201	.05603	.18399	.01022	.01526	.05449	.09876	.07687	.00421	-.01573
.300	2.093	-.10349	.05621	.18188	.01035	.01526	.05526	.10099	.08087	.00428	-.01573
.300	4.230	-.09775	.05095	.18104	.01066	.01526	.05660	.10389	.08498	.00433	-.01573
.300	6.366	-.09143	.04267	.17536	.01100	.01526	.05829	.10493	.08998	.00444	-.01573
.300	8.529	-.08557	.03408	.16982	.01126	.01526	.05973	.10862	.09347	.00456	-.01573
.300	10.673	-.08797	.02887	.16348	.01174	.01526	.06231	.11058	.09688	.00476	-.01573
GRADIENT		-.00202	.00063	-.00208	-.00005	.00000	-.00027	.00035	.00155	-.00002	.00000

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57

(IA4CD07) (05 FEB 75)

REFERENCE DATA

SRF = 2680.0000 33.87. 200P = 976.0000 IN. XT
 JREF = 1290.3000 INCHES 200P = .0000 IN. YT
 SREF = 1290.3000 INCHES 200P = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRBK = .000 BDFLAP = .000

RULI NO. 28/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CLF	CLMF	CAF	CBO	CBF	CABO	CABT	CABSRB	CLMBO	CLMBF
1.130	-10.847	-.05444	.01987	.25817	.01106	.01634	.05962	.09840	.06664	.00472	-.01704
1.131	-8.661	-.05122	.02328	.26174	.01127	.01654	.06060	.09657	.06656	.00477	-.01704
1.132	-6.489	-.05092	.03388	.26209	.01115	.01634	.05952	.09441	.06806	.00461	-.01704
1.133	-4.335	-.06804	.04095	.26031	.01074	.01654	.05708	.09237	.07076	.00437	-.01704
1.134	-2.164	-.07319	.04376	.25397	.01019	.01654	.05408	.09175	.07615	.00413	-.01704
1.135	-.040	-.08203	.04729	.24650	.00951	.01654	.05056	.09264	.08159	.00387	-.01704
1.136	2.114	-.08200	.04447	.24313	.01000	.01654	.05325	.09108	.08499	.00410	-.01704
1.137	4.250	-.07907	.04112	.24528	.01034	.01654	.05503	.08964	.08664	.00423	-.01704
1.138	6.413	-.07377	.03431	.24080	.01054	.01654	.05612	.09293	.08904	.00432	-.01704
1.139	8.572	-.06667	.02286	.23726	.01055	.01654	.05596	.09508	.09032	.00427	-.01704
1.129	10.756	-.06565	.01634	.23105	.01042	.01654	.05505	.09893	.09232	.00416	-.01704
GRADIENT		-.00144	.02005	-.00191	-.00005	.00000	-.00023	-.00029	.00189	-.00001	.00000

RULI NO. 28/ 0 RIVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CLF	CLMF	CAF	CBO	CBF	CABO	CABT	CABSRB	CLMBO	CLMBF
1.230	-10.871	-.05459	.01862	.27254	.01110	.01548	.06008	.09648	.06735	.00473	-.01595
1.231	-8.688	-.04571	.01852	.27761	.01124	.01548	.06015	.09311	.06615	.00469	-.01595
1.232	-6.504	-.05128	.02689	.27893	.01113	.01548	.05941	.09104	.06564	.00460	-.01595
1.233	-4.341	-.05875	.03267	.27811	.01068	.01548	.05682	.08819	.06700	.00437	-.01595
1.234	-2.185	-.05492	.03456	.27261	.01024	.01548	.05435	.08659	.07117	.00415	-.01595
1.235	-.048	-.06951	.03612	.26508	.00941	.01548	.05209	.08612	.07630	.00395	-.01595
1.236	2.110	-.06920	.03313	.26341	.00907	.01548	.05243	.08349	.08009	.00401	-.01595
1.237	4.261	-.07191	.03359	.26469	.01017	.01548	.05411	.08349	.08253	.00416	-.01595
1.238	6.423	-.06852	.02875	.25994	.01041	.01548	.05536	.08695	.08502	.00425	-.01595
1.239	8.610	-.06639	.02136	.25404	.01040	.01548	.05523	.09054	.08728	.00422	-.01595
1.230	10.785	-.05954	.01834	.24858	.01025	.01548	.05415	.09416	.08948	.00409	-.01595
GRADIENT		-.00142	.02002	-.00167	-.00006	.00000	-.00034	-.00058	.00186	-.00003	.00000

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 68

LARC 8-TFT-693 (IA43) CONFIGURATION 02/14/75

(AMC008) (05 FEB 75)

REFERENCE DATA

SREF = 2680.0000 SQ. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUL NO. 36/ 0 RUL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CIF	CLMF	CAF	CBO	CMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
.600	-10.644	-.79457	.34833	.06784	.00707	.01060	.03792	.09148	.08073	.00297	-.01092
.630	-8.536	-.65155	.28956	.07728	.00678	.01060	.03643	.08781	.07643	.00287	-.01092
.660	-6.417	-.51795	.23386	.08522	.00651	.01060	.03503	.08441	.07269	.00276	-.01092
.690	-4.342	-.39632	.18349	.08938	.00637	.01060	.03423	.08221	.07037	.00269	-.01092
.720	-2.246	-.28628	.14229	.09253	.00618	.01060	.03326	.07938	.06809	.00262	-.01092
.750	-1.163	-.17735	.10315	.09482	.00585	.01060	.03143	.07620	.06529	.00246	-.01092
.780	1.927	-.05763	.05238	.09220	.00573	.01060	.03065	.07389	.06239	.00239	-.01092
.810	4.023	.05832	.02111	.08534	.00555	.01060	.02973	.07394	.06508	.00232	-.01092
.840	6.104	.16830	-.04822	.07724	.00543	.01060	.02919	.07220	.06709	.00230	-.01092
.870	8.206	.30841	-.09927	.06783	.00541	.01060	.02918	.06903	.06680	.00232	-.01092
.900	10.301	.44298	-.15398	.05595	.00532	.01060	.02876	.06689	.06670	.00229	-.01092
.930	GRADIENT	.05545	-.02252	-.00246	-.00010	.00000	-.00096	-.00105	-.00078	-.00005	-.00000

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

PARAMETRIC DATA

RUL NO. 35/ 0 RUL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CIF	CLMF	CAF	CBO	CMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
.901	-11.244	-.90257	.38670	.11252	.00923	.01351	.04933	.09769	.08171	.00383	-.01393
.930	-9.017	-.71915	.30326	.11749	.00883	.01351	.04705	.09205	.07949	.00362	-.01393
.960	-6.812	-.55489	.23467	.12085	.00841	.01351	.04481	.08655	.07638	.00346	-.01393
.990	-4.611	-.39885	.17053	.12143	.00803	.01351	.04270	.08277	.07408	.00328	-.01393
.999	-2.417	-.25241	.10773	.12336	.00766	.01351	.04063	.07878	.07179	.00310	-.01393
.920	-.252	-.11390	.04251	.12441	.00763	.01351	.04041	.07880	.06913	.00307	-.01393
.930	1.932	.02310	-.01415	.11968	.00748	.01351	.03973	.07742	.07268	.00304	-.01393
.940	4.101	.14632	-.05763	.12106	.00723	.01351	.03892	.07547	.07268	.00297	-.01393
.950	6.254	.27446	-.10309	.11553	.00726	.01351	.03875	.07442	.07340	.00300	-.01393
.960	8.443	.41417	-.16287	.11310	.00732	.01351	.03905	.07287	.07358	.00302	-.01393
.999	10.605	.55317	-.20831	.10738	.00738	.01351	.03943	.07332	.07278	.00306	-.01393
.999	GRADIENT	.06273	-.02656	-.00021	-.00008	-.00000	-.00043	-.00073	-.00012	-.00003	-.00000

ORIGINAL PAGE IS
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DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 70

LARC 8-TPT-693 (IA43) CONFIGURATION 02/T4/S1

(AMC008) (03 FEB 75)

REFERENCE DATA

SREF = 2880.0000 SQ.FT. 300P = 976.0000 IN. XT
 LREF = 1290.3000 INCHES 300P = .0000 IN. YT
 BREF = 1290.3000 INCHES 300P = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BUFLAP = .000

RUN NO. 34/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLF	CLMF	CAF	CBO	CMBF	CBO	CABET	CABSRB	CLMO	CLMBF
1.130	-11.691	-.59568	.42860	.22257	.01112	.01634	.05931	.10023	.09573	.00463	-.01704
1.130	-9.367	-.78836	.34092	.22911	.01066	.01634	.05705	.09585	.09199	.00442	-.01704
1.130	-7.070	-.60456	.26760	.23071	.01028	.01634	.05483	.09337	.08640	.00423	-.01704
1.130	-4.800	-.43146	.19869	.23168	.00988	.01634	.05262	.09262	.08682	.00403	-.01704
1.130	-2.540	-.26846	.13150	.23305	.00960	.01634	.05094	.09136	.08495	.00389	-.01704
1.130	-.322	-.11225	.06571	.23406	.00945	.01634	.05008	.08961	.08308	.00361	-.01704
1.130	1.804	.03353	.00207	.23503	.00946	.01634	.05008	.08628	.07964	.00380	-.01704
1.130	4.113	.17767	-.06655	.23083	.00937	.01634	.05072	.08301	.08233	.00396	-.01704
1.130	6.331	.32279	-.13064	.22542	.00968	.01634	.05130	.07989	.08183	.00391	-.01704
1.130	8.532	.45602	-.18904	.21844	.00987	.01634	.05235	.07665	.08432	.00399	-.01704
1.130	10.728	.57167	-.22236	.21057	.00948	.01634	.05015	.07578	.08632	.00380	-.01704
GRADIENT		.06827	-.02972	-.00228	-.00203	.00220	-.00021	-.00109	-.00064	-.00002	.00000

RUN NO. 33/ 0

RIVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLF	CLMF	CAF	CBO	CMBF	CBO	CABET	CABSRB	CLMO	CLMBF
1.200	-11.748	-1.02497	.41501	.24194	.01130	.01548	.06064	.09695	.08238	.00475	-.01595
1.200	-9.404	-.78796	.34380	.24614	.01062	.01548	.05679	.08260	.08993	.00441	-.01595
1.200	-7.084	-.59337	.26120	.24935	.01017	.01548	.05436	.08932	.08647	.00423	-.01595
1.200	-4.812	-.41306	.18555	.25113	.00980	.01548	.05239	.08766	.08443	.00407	-.01595
1.200	-2.553	-.24764	.11587	.25286	.00946	.01548	.05040	.08558	.08214	.00388	-.01595
1.200	-.319	-.09364	.05423	.25303	.00912	.01548	.04836	.08332	.08017	.00369	-.01595
1.200	1.828	.04460	-.07013	.24918	.00909	.01548	.04816	.08268	.07797	.00366	-.01595
1.200	4.117	.18243	-.06934	.24795	.00918	.01548	.04862	.07924	.07945	.00369	-.01595
1.200	6.340	.32459	-.13067	.24207	.00926	.01548	.04905	.07659	.08015	.00373	-.01595
1.200	8.565	.46375	-.19181	.23742	.00938	.01548	.04971	.07311	.08176	.00379	-.01595
1.200	10.790	.59198	-.23461	.22926	.00936	.01548	.04980	.07175	.08402	.00379	-.01595
GRADIENT		.05646	-.02835	-.00045	-.00207	-.00200	-.00044	-.00089	-.00063	-.00004	.00000

DATE 04 APR 75 TABULATED SOURCE DATA - LARC 493 (IA43)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/72/87 (AMC006) (05 PER 75)

REFERENCE DATA
 BREF = 2690.0000 IN. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA
 BETA = .000 ELV-LO = .000
 ELV-LJ = .000 ELV-R1 = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

RUN NO. 39/ 0 RVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	Q/F	CLMF	CAF	QBO	QBF	CABO	CABET	CABSRB	CLMBO	CLMBF
.399	-10.616	-.76487	.33137	.08534	.00718	.01060	.03841	.09697	.07109	.00299	-.01092
.500	-8.205	-.62698	.27394	.09355	.00692	.01060	.03705	.09331	.06665	.00269	-.01092
.600	-6.385	-.49453	.22135	.09926	.00571	.01060	.03591	.08994	.06354	.00280	-.01092
.700	-4.296	-.37215	.17514	.10225	.00650	.01060	.03479	.08706	.06182	.00271	-.01092
.800	-2.207	-.26365	.13406	.10546	.00519	.01060	.03315	.08486	.06146	.00258	-.01092
.900	-.115	-.15671	.09111	.10538	.00395	.01060	.03182	.08188	.06108	.00248	-.01092
.900	1.930	-.03614	.04261	.10158	.00583	.01060	.03121	.08000	.05999	.00243	-.01092
.999	4.241	.08253	-.00325	.09583	.00570	.01060	.03053	.07945	.06059	.00239	-.01092
.900	6.140	.19982	-.00352	.08657	.00560	.01060	.03009	.07847	.06182	.00237	-.01092
.999	8.245	.32350	-.10390	.07675	.00562	.01060	.03031	.07861	.06365	.00240	-.01092
.900	10.340	.44738	-.15386	.06436	.00554	.01060	.02994	.07833	.06582	.00228	-.01092
.999	GRADIENT	.05465	-.02170	-.00080	-.00009	-.00000	-.00050	-.00096	-.00019	-.00004	-.00000

RUN NO. 38/ 0 RVL = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	Q/F	CLMF	CAF	QBO	QBF	CABO	CABET	CABSRB	CLMBO	CLMBF
.901	-11.211	-.86878	.36631	.13015	.00942	.01351	.05088	.10115	.07078	.00405	-.01393
.900	-8.933	-.69336	.28617	.13531	.00898	.01351	.04830	.09511	.06900	.00381	-.01393
.900	-6.745	-.51606	.21281	.13966	.00960	.01351	.04631	.08969	.06585	.00366	-.01393
.900	-4.538	-.36345	.15061	.13992	.00822	.01351	.04404	.08610	.06278	.00344	-.01393
.899	-2.355	-.21755	.08692	.13732	.00788	.01351	.04214	.08314	.06172	.00328	-.01393
.899	-.222	-.07898	.02016	.13656	.00781	.01351	.04079	.07984	.06082	.00319	-.01393
.901	1.930	.05568	-.03531	.13641	.00762	.01351	.04084	.07958	.06008	.00319	-.01393
.900	4.122	.16810	-.05861	.13178	.00751	.01351	.04025	.08094	.06423	.00315	-.01393
.900	6.292	.29124	-.11158	.12760	.00732	.01351	.03924	.07907	.06547	.00307	-.01393
.900	8.462	.42492	-.16690	.12225	.00736	.01351	.03945	.07920	.07053	.00309	-.01393
.900	10.630	.55331	-.21704	.11668	.00749	.01351	.04017	.08103	.07198	.00314	-.01393
.900	GRADIENT	.06179	-.02392	-.00080	-.00008	-.00000	-.00041	-.00064	.00006	-.00003	-.00000

ORIGINAL PAGE IS
 OF POOR QUALITY

LARC 8-TPT-693 (1A43) CONFIGURATION 02/72/37

(AMC009) (05 FEB 75)

REFERENCE DATA

SREF = 2600.0000 SQ. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 37/ D RVL = 4.21 GRADIENT INTERVAL = -3.00/ 5.00

MACH	ALPHA	CNF	CLWF	CAF	CBO	CMBF	CABO	CABET	CABSRB	CLMO	CLMBF
1.133	-11.629	-96004	.40481	.24012	.01123	.01654	.06041	.10353	.08984	.00476	-.01704
1.130	-9.315	-.73401	.31908	.24634	.01073	.01654	.05778	.09923	.08625	.00455	-.01704
1.130	-7.022	-.57404	.24805	.24908	.01028	.01654	.05523	.09438	.08301	.00434	-.01704
1.130	-4.742	-.39538	.17738	.24858	.00998	.01654	.05356	.09184	.08211	.00419	-.01704
1.130	-2.904	-.23324	.11246	.24812	.00972	.01654	.05192	.09267	.08066	.00403	-.01704
1.130	-.262	-.08339	.04958	.24994	.00948	.01654	.05040	.09157	.07926	.00386	-.01704
1.129	1.933	.03348	-.01080	.24743	.00957	.01654	.05084	.08826	.07894	.00369	-.01704
1.129	4.129	.19269	-.07264	.24565	.00964	.01654	.05120	.08505	.08016	.00392	-.01704
1.129	6.330	.33225	-.13379	.24020	.00988	.01654	.05246	.08077	.08245	.00401	-.01704
1.129	8.532	.46230	-.18698	.23371	.01008	.01654	.05359	.07968	.08575	.00411	-.01704
1.129	10.737	.57223	-.21784	.22417	.00968	.01654	.05138	.08418	.08729	.00392	-.01704
GRADIENT		.06601	-.02807	-.00029	-.00004	.00000	-.00026	-.00072	-.00023	-.00003	.00000

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPOBRK = .000 BOFLAP = .000

REFERENCE DATA

SREF = 2600.0000 SQ. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 43/ D RVL = 3.97 GRADIENT INTERVAL = -3.00/ 5.00

MACH	ALPHA	CNF	CLWF	CAF	CBO	CMBF	CABO	CABET	CABSRB	CLMO	CLMBF
.903	-11.136	-.79735	.30921	.13806	.00955	.01351	.05110	.09031	.07004	.00398	-.01393
.899	-8.901	-.61589	.22930	.14225	.00921	.01351	.04828	.09245	.06806	.00383	-.01393
.903	-6.711	-.45894	.16371	.14525	.00899	.01351	.04807	.08695	.06475	.00374	-.01393
.899	-4.516	-.30582	.10420	.14425	.00870	.01351	.04654	.08368	.06198	.00362	-.01393
.899	-2.319	-.16931	.04377	.14215	.00841	.01351	.04496	.08009	.06070	.00349	-.01393
.899	-.168	-.02419	.02671	.14093	.00827	.01351	.04431	.07679	.05903	.00347	-.01393
.903	2.013	.10999	-.08203	.14033	.00827	.01351	.04422	.07649	.05759	.00344	-.01393
.903	4.166	.22713	-.12058	.13627	.00820	.01351	.04371	.07842	.06117	.00337	-.01393
.903	6.341	.35598	-.16744	.13115	.00798	.01351	.04252	.07654	.06431	.00328	-.01393
.899	8.529	.48439	-.21752	.12557	.00791	.01351	.04224	.07685	.06774	.00327	-.01393
.899	10.628	.60189	-.25841	.12313	.00791	.01351	.04213	.07976	.06995	.00324	-.01393
GRADIENT		.06237	-.02653	-.00082	-.00005	-.00000	-.00029	-.00065	-.00022	-.00003	.00000

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = .000 RUDDER = .000
 SPOBRK = .000 BOFLAP = .000

LARC 8-TPT-693 (1A43) CONFIGURATION 02/74/37

(AMC010) (05 FEB 75)

DATE 04 APR 73

TABULATED SOURCE DATA - LARC 693 (1A43)

PAGE 73

LARC 8-TFT-693 (1A43) CONFIGURATION 02/14/73

(AMC010) (05 FEB 73)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. ZREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = 0.000 ELV-RI = 0.000
 ELV-RO = .000 RUDDER = .000
 SDBRK = .000 BDFLAP = .000

RUN NO. 42/ 0 RV/L = 4.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	Q/F	CLMF	CAF	CNO	CMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
.960	-11.369	-.87883	.34580	.18147	.01180	.01484	.06234	.11412	.08811	.00476	-.01529
.961	-9.093	-.67547	.26035	.19084	.01122	.01484	.05946	.10826	.08457	.00452	-.01529
.961	-6.837	-.50426	.19409	.19339	.01089	.01484	.05766	.10363	.08199	.00438	-.01529
.960	-4.630	-.34857	.13603	.19520	.01038	.01484	.05601	.09933	.07947	.00425	-.01529
.961	-2.413	-.20593	.08315	.19379	.01033	.01484	.05478	.09874	.07842	.00417	-.01529
.960	-.203	-.06331	.02482	.19134	.01047	.01484	.05557	.09892	.07687	.00424	-.01529
.961	1.963	.07844	-.04149	.18771	.01090	.01484	.05782	.09439	.07649	.00441	-.01529
.960	4.184	.22015	-.10236	.18336	.01115	.01484	.05919	.09590	.08120	.00452	-.01529
.960	6.363	.35493	-.15690	.17637	.01084	.01484	.05760	.09243	.08370	.00441	-.01529
.960	8.542	.49054	-.21277	.16865	.01069	.01484	.05680	.09210	.08911	.00438	-.01529
.979	10.705	.60893	-.25547	.15988	.01128	.01484	.05988	.09834	.09269	.00456	-.01529
GRADIENT		.06461	-.02733	-.00135	.00008	.00000	.00043	-.00051	.00007	.00004	.00000

RUN NO. 41/ 0 RV/L = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	Q/F	CLMF	CAF	CNO	CMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.130	-11.592	-.91986	.36972	.24293	.01106	.01654	.05843	.10230	.09078	.00441	-.01704
1.131	-9.275	-.71497	.28265	.24994	.01067	.01654	.05625	.09900	.08787	.00422	-.01704
1.130	-6.960	-.53327	.21513	.25043	.01039	.01654	.05473	.09410	.08407	.00411	-.01704
1.130	-4.711	-.36197	.14727	.25147	.01021	.01654	.05378	.09171	.08222	.00403	-.01704
1.130	-2.467	-.19645	.07933	.25230	.01001	.01654	.05277	.09144	.08028	.00397	-.01704
1.130	-.236	-.04671	.01826	.25297	.00987	.01654	.05217	.09030	.07888	.00395	-.01704
1.130	1.990	.09104	-.04310	.25202	.00990	.01654	.05240	.08540	.07804	.00398	-.01704
1.130	4.175	.22970	-.10465	.24930	.00990	.01654	.05244	.08307	.07960	.00398	-.01704
1.130	6.378	.37122	-.16647	.24474	.00989	.01654	.05238	.07909	.07916	.00398	-.01704
1.130	8.586	.49929	-.21921	.23819	.00990	.01654	.05255	.07738	.08516	.00401	-.01704
1.130	10.782	.60563	-.24854	.22826	.00979	.01654	.05209	.08075	.08688	.00400	-.01704
GRADIENT		.06618	-.02817	-.00019	-.00003	-.00000	-.00014	-.00105	-.00034	-.00000	.00000

ORIGINAL PAGE IS
 OF POOR QUALITY

LARC 8-TPT-693 (1A43) CONFIGURATION 02/74/37 (AMC010) (05 FEB 75)

REFERENCE DATA

REF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 40/ 0 RVL = 4.20 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

MACN	ALPHA	CVF	CLMF	CAF	CBO	CMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.200	-11.638	-.92937	.37613	.25978	.01116	.01548	.05808	.09918	.06791	.00448	-.01593
1.201	-9.332	-.71585	.26276	.26499	.01038	.01548	.05378	.09478	.06678	.00419	-.01593
1.251	-7.003	-.52472	.20667	.26736	.01028	.01548	.05414	.09094	.06379	.00406	-.01593
1.200	-4.714	-.34392	.13297	.26930	.01012	.01548	.05326	.08679	.06127	.00398	-.01593
1.200	-2.469	-.18140	.06504	.27204	.00997	.01548	.05246	.08443	.07877	.00392	-.01593
1.200	-.235	-.02999	.00484	.27169	.00969	.01548	.05113	.08380	.07689	.00385	-.01593
1.200	1.959	.09799	-.04832	.26903	.00962	.01548	.05083	.08118	.07586	.00384	-.01593
1.200	4.180	.23480	-.10825	.26690	.00957	.01548	.05047	.07832	.07735	.00380	-.01593
1.200	6.407	.37281	-.16713	.26181	.00932	.01548	.05015	.07515	.07925	.00376	-.01593
1.200	8.592	.50303	-.22169	.25735	.00946	.01548	.04985	.07317	.08224	.00374	-.01593
1.200	10.815	.62929	-.26261	.24884	.00931	.01548	.05022	.07348	.08398	.00379	-.01593
GRADIENT		.06469	-.02682	-.00037	-.00000	-.00000	-.00032	-.00091	-.00048	-.00002	.00000

BETA = .000 ELV-LO = .000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

REFERENCE DATA

REF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 47/ 0 RVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

MACN	ALPHA	CVF	CLMF	CAF	CBO	CMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
.900	-11.123	-.78317	.29739	.13945	.00951	.01351	.05087	.09827	.07111	.00396	-.01393
.920	-8.922	-.60736	.21994	.14483	.00918	.01351	.04900	.09309	.06899	.00380	-.01393
.901	-6.699	-.44865	.15408	.14772	.00898	.01351	.04795	.08769	.06577	.00371	-.01393
.893	-4.500	-.29809	.09448	.14592	.00870	.01351	.04643	.08399	.06255	.00359	-.01393
.893	-2.335	-.16037	.03531	.14388	.00843	.01351	.04502	.08072	.06146	.00349	-.01393
.893	-.153	-.01397	-.03538	.14101	.00831	.01351	.04451	.07742	.05969	.00347	-.01393
.893	2.027	.11932	-.09117	.14033	.00832	.01351	.04448	.07713	.05816	.00346	-.01393
.873	4.131	.25062	-.13980	.13740	.00818	.01351	.04361	.07834	.06149	.00336	-.01393
.899	6.379	.38253	-.18846	.13598	.00800	.01351	.04259	.07680	.06437	.00328	-.01393
.893	8.532	.50556	-.23506	.12669	.00794	.01351	.04235	.07717	.06760	.00328	-.01393
.920	10.695	.62563	-.27776	.12444	.00799	.01351	.04232	.07985	.06977	.00326	-.01393
GRADIENT		.06333	-.02737	-.00096	-.00000	-.00000	-.00028	-.00069	-.00025	-.00002	.00000

BETA = .000 ELV-LO = 4.000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = 4.000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (1A43)

PAGE 75

LARC 8-TPT-693 (1A43) CONFIGURATION 02/14/87

(AMC011) (05 FEB 75)

REFERENCE DATA

SREF = 2680.0000 IN. FT. TREF = 976.0000 IN. XT
 CREF = 1290.3000 INCHES YREF = .0000 IN. YT
 SREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = 4.000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = 4.000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 46/ 0 RM/L = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMF	CLMB	CAF	CMB	CMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
.201	-11.361	.33033	.01174	.18476	.01484	.06218	.11437	.08919	.00473	.00473	-.01329
.301	-9.303	.24617	.01118	.19268	.01484	.05915	.10854	.08568	.00448	.00448	-.01329
.401	-6.833	.18106	.01080	.19558	.01484	.05712	.10397	.08291	.00433	.00433	-.01329
.501	-4.607	.12532	.01051	.19728	.01484	.05567	.10043	.08122	.00423	.00423	-.01329
.601	-2.356	.06762	.01022	.19489	.01484	.05419	.09910	.07961	.00413	.00413	-.01329
.701	-.162	.00845	.01040	.19218	.01484	.05516	.09937	.07832	.00421	.00421	-.01329
.800	2.200	-.05885	.01079	.18894	.01484	.05721	.09418	.07702	.00436	.00436	-.01329
.900	4.181	-.11433	.01079	.18529	.01484	.05887	.09557	.08130	.00449	.00449	-.01329
.980	6.376	-.16947	.01079	.17736	.01484	.05732	.09240	.08593	.00439	.00439	-.01329
.990	8.967	-.22240	.01070	.16973	.01484	.05693	.09180	.08909	.00438	.00438	-.01329
.990	10.745	-.26802	.01136	.16203	.01484	.05041	.08784	.09349	.00464	.00464	-.01329
GRADIENT		.06500	.00739	-.00136	.00000	.00000	-.00067	-.00011	.00000	.00000	.00000

RUN NO. 45/ 0 RM/L = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMF	CLMB	CAF	CMB	CMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.129	-11.959	.35371	.01101	.24459	.01654	.05812	.10228	.09159	.00438	.00438	-.01704
1.131	-9.282	.27176	.01072	.25112	.01654	.05638	.09932	.08839	.00422	.00422	-.01704
1.131	-6.983	.20200	.01040	.25281	.01654	.05470	.09434	.08456	.00409	.00409	-.01704
1.131	-4.705	.13960	.01020	.25326	.01654	.05368	.09180	.08308	.00402	.00402	-.01704
1.131	-2.439	.06832	.01021	.25413	.01654	.05276	.09151	.08144	.00396	.00396	-.01704
1.130	-.226	.00495	.00985	.25484	.01654	.05211	.09038	.07990	.00395	.00395	-.01704
1.131	1.980	.05521	.00990	.25432	.01654	.05240	.08821	.07887	.00397	.00397	-.01704
1.131	4.188	-.11617	.00990	.25193	.01654	.05239	.08286	.07991	.00398	.00398	-.01704
1.130	6.419	-.17715	.00988	.24662	.01654	.05231	.07909	.08180	.00397	.00397	-.01704
1.131	8.602	-.22960	.00993	.23953	.01654	.05269	.07711	.08530	.00402	.00402	-.01704
1.130	10.832	-.25831	.00981	.22844	.01654	.05220	.07986	.08691	.00401	.00401	-.01704
GRADIENT		.06639	.00701	-.00011	.00000	.00000	-.00109	-.00040	.00000	.00000	.00000

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DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

(AMC011) (05 FEB 75)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/74/37

REFERENCE DATA

SRF = 2880.0000 36. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BRP = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 44/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CV	CLWF	CAP	CNO	CBF	CBO	CABT	CASRB	CLMO	CLMF
1.200	-11.642	-.91837	.36652	.26100	.01114	.01548	.05894	.09934	.06826	.00446	-.01593
1.202	-9.312	-.70079	.27051	.26076	.01037	.01346	.05267	.09463	.08724	.00417	-.01593
1.205	-7.013	-.51176	.19558	.26970	.01027	.01548	.05407	.09032	.08410	.00404	-.01593
1.200	-4.718	-.33104	.12117	.27033	.01014	.01548	.05333	.08718	.08213	.00399	-.01593
1.200	-2.458	-.16749	.05398	.27309	.00990	.01548	.05296	.08473	.07978	.00393	-.01593
1.203	-.227	-.01837	-.00514	.27356	.00970	.01548	.05116	.08372	.07778	.00385	-.01593
1.201	1.990	-.11162	-.05923	.27110	.00962	.01548	.05081	.08065	.07650	.00364	-.01593
1.201	4.169	-.24673	-.11815	.26889	.00957	.01548	.05047	.07830	.07746	.00360	-.01593
1.201	6.403	-.38206	-.17498	.26424	.00950	.01548	.05003	.07475	.07824	.00375	-.01593
1.201	8.611	-.51368	-.23027	.25970	.00946	.01548	.04961	.07243	.08241	.00373	-.01593
1.201	10.844	-.63931	-.27108	.25377	.00933	.01548	.04930	.07260	.08390	.00379	-.01593
1.200	GRADIENT	.08446	-.02659	-.30022	-.00000	.00000	-.00034	-.00096	-.00057	-.00002	-.00000

REFERENCE DATA

SRF = 2880.0000 36. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BRP = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 51/ 0 RVL = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CV	CLWF	CAP	CNO	CBF	CBO	CABT	CASRB	CLMO	CLMF
.900	-11.131	-.77828	.29111	.14179	.00945	.01351	.05032	.09949	.07164	.00393	-.01393
.900	-8.904	-.59373	.21131	.14693	.00910	.01351	.04856	.09336	.06957	.00376	-.01393
.900	-6.707	-.44531	.15108	.14830	.00896	.01351	.04786	.08818	.06598	.00371	-.01393
.901	-4.512	-.29396	.09127	.14721	.00872	.01351	.04655	.08437	.06304	.00360	-.01393
.903	-2.332	-.15512	.03162	.14522	.00841	.01351	.04492	.08057	.06135	.00348	-.01393
.903	-.135	-.00212	-.04415	.14375	.00825	.01351	.04422	.07695	.05976	.00344	-.01393
.903	2.031	.13999	-.10563	.14343	.00821	.01351	.04411	.07665	.05844	.00343	-.01393
.903	4.201	.26820	-.15521	.13937	.00821	.01351	.04377	.07811	.06151	.00338	-.01393
.903	6.377	.39593	-.20007	.13320	.00800	.01351	.04299	.07660	.06410	.00328	-.01393
.899	8.527	.51769	-.24639	.12936	.00792	.01351	.04224	.07667	.06686	.00327	-.01393
.903	10.691	.63772	-.28633	.12601	.00803	.01351	.04265	.08013	.06965	.00327	-.01393
	GRADIENT	.06533	-.02898	-.30083	-.00000	-.00000	-.00029	-.00076	-.00028	-.00002	-.00000

PARAMETRIC DATA

BETA = .000 ELV-LO = 8.000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = 8.000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

(AMC012) (05 FEB 75)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/74/37



REFERENCE DATA

30EF = 2890.0000 IN. FT. 30EP = 978.0000 IN. XT
 L4EF = 1290.3000 INCHES 74EP = .0000 IN. YT
 30EF = 1290.3000 INCHES 24EP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = 8.000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = 8.000 RUDDER = .000
 SPDRK = .000 BDFAP = .000

RUN NO. 50/ 0 RVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	QVF	CLWF	CAF	QBO	QBF	CABO	CABET	CABSRB	CLMO	CLMBF
.981	-11.357	-.85145	.32156	.18603	.01178	.01484	.06236	.11504	.09046	.00474	CLMBF
.981	-9.254	-.85111	.23784	.19305	.01117	.01484	.05907	.10872	.08647	.00447	-.01529
.981	-6.837	-.48182	.17359	.19701	.01075	.01484	.05689	.10386	.08329	.00431	-.01529
.981	-4.607	-.32107	.11156	.18685	.01042	.0134	.05522	.10050	.08149	.00420	-.01529
.981	-2.395	-.17512	.05682	.19718	.01017	.01484	.05393	.09897	.08011	.00411	-.01529
.981	-.201	-.02796	-.00412	.19469	.01037	.01484	.05300	.09872	.07897	.00419	-.01529
.981	1.987	.10338	-.06507	.19176	.01075	.01484	.05700	.09422	.07806	.00434	-.01529
.981	4.183	.24873	-.12562	.18741	.01103	.01484	.05854	.09501	.08162	.00447	-.01529
.981	6.369	.37936	-.17758	.17935	.01072	.01484	.05729	.09228	.08613	.00440	-.01529
.981	8.567	.51438	-.23331	.17152	.01072	.01484	.05712	.09149	.08919	.00440	-.01529
.981	10.733	.63943	-.28108	.16238	.01144	.01484	.05699	.09765	.09400	.00470	-.01529
GRADIENT		.06466	-.02715	-.00129	.00000	.00000	.00044	-.00072	-.00006	.00004	.00000

RUN NO. 49/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	QVF	CLWF	CAF	QBO	QBF	CABO	CABET	CABSRB	CLMO	CLMBF
1.131	-11.578	-.89490	.34869	.24849	.01107	.01654	.05843	.10227	.09162	.00440	CLMBF
1.130	-9.254	-.69102	.26446	.25090	.01078	.01654	.05677	.09884	.08931	.00426	-.01704
1.130	-6.971	-.50695	.19302	.23347	.01042	.01654	.05484	.09453	.08327	.00410	-.01704
1.130	-4.691	-.33318	.12368	.23468	.01021	.01654	.05376	.09203	.08374	.00402	-.01704
1.130	-2.453	-.17157	.05754	.25600	.00997	.01654	.05260	.09157	.08222	.00395	-.01704
1.130	-.224	-.02480	-.00167	.25590	.00984	.01654	.05208	.09023	.08077	.00395	-.01704
1.131	1.983	.11269	-.06143	.25622	.00989	.01654	.05234	.08910	.07965	.00397	-.01704
1.131	4.187	.24846	-.12585	.25422	.00969	.01654	.05235	.08663	.08020	.00397	-.01704
1.130	6.401	.36977	-.18191	.24836	.00990	.01654	.05245	.07848	.08208	.00398	-.01704
1.129	8.603	.51189	-.23083	.24035	.00994	.01654	.05276	.07704	.08309	.00403	-.01704
1.130	10.798	.62786	-.26562	.23036	.00981	.01654	.05218	.07941	.08642	.00401	-.01704
GRADIENT		.06524	-.02740	-.00003	-.00003	.00000	-.00014	-.00114	-.00044	-.00000	.00000

LARC 8-TFT-693 (1A43) CONFIGURATION 02/14/87

(AMC012) (05 FEB 75)

REFERENCE DATA

SREF = 2000.0000 50.FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = 8.000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = 8.000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

RUN NO. 48/ 0 RIVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	QF	CLMF	CAF	QBO	QBF	CABO	CABET	CABSRB	CLMO	CLMBF
1.201	-11.647	-.50972	.35799	.26195	.01118	.01548	.03913	.09933	.08879	.00448	-.01595
1.201	-9.314	-.69115	.26198	.26805	.01061	.01548	.03594	.09461	.08757	.00418	-.01595
1.203	-7.026	-.30131	.18636	.27028	.01031	.01548	.03425	.09087	.08482	.00406	-.01595
1.200	-4.735	-.32414	.11424	.27271	.01016	.01548	.03342	.08691	.08239	.00399	-.01595
1.200	-2.486	-.16186	.04832	.27532	.01000	.01548	.03264	.08456	.08027	.00393	-.01595
1.200	-.225	-.01249	-.01057	.27550	.00971	.01548	.03126	.08362	.07836	.00386	-.01595
1.200	1.985	-.11909	-.06542	.27250	.00963	.01548	.03091	.08105	.07703	.00385	-.01595
1.200	4.182	.25232	-.12294	.27072	.00957	.01548	.03049	.07796	.07734	.00380	-.01595
1.200	6.408	.39922	-.18080	.26616	.00952	.01548	.03013	.07472	.07934	.00376	-.01595
1.200	8.613	.51895	-.23477	.26089	.00947	.01548	.02988	.07256	.08236	.00374	-.01595
1.200	10.837	.64355	-.27376	.25164	.00951	.01548	.03019	.07278	.08391	.00378	-.01595
GRADIENT		.06436	-.02639	-.00030	-.00007	-.00000	-.00034	-.00096	-.00034	-.00002	.00000

REFERENCE DATA

SREF = 2000.0000 50.FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = 8.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = 8.000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

LARC 8-TFT-693 (1A43) CONFIGURATION 02/14/87

(AMC013) (05 FEB 75)

RUN NO. 55/ 0 RIVL = 3.38 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	QF	CLMF	CAF	QBO	QBF	CABO	CABET	CABSRB	CLMO	CLMBF
.900	-11.147	-.79129	.30234	.13644	.00963	.01351	.03169	.10009	.07188	.00405	-.01393
.901	-8.922	-.61056	.22382	.14155	.00925	.01351	.04958	.09389	.06958	.00387	-.01393
.901	-6.730	-.45378	.15925	.14488	.00901	.01351	.04829	.08799	.06593	.00377	-.01393
.901	-4.514	-.30470	.09930	.14388	.00865	.01351	.04629	.08415	.06280	.00360	-.01393
.900	-2.345	-.16347	.03971	.14155	.00835	.01351	.04465	.08107	.06161	.00348	-.01393
.901	-.177	-.02009	-.03047	.13936	.00819	.01351	.04395	.07793	.06063	.00344	-.01393
.900	2.009	.12024	-.09103	.13806	.00811	.01351	.04349	.07723	.05916	.00340	-.01393
.900	4.169	.24682	-.13675	.13534	.00800	.01351	.04272	.07636	.06291	.00331	-.01393
.900	6.330	.37153	-.18102	.12948	.00782	.01351	.04178	.07722	.06529	.00324	-.01393
.901	8.306	.49771	-.22971	.12604	.00778	.01351	.04165	.07741	.06631	.00325	-.01393
.900	10.870	.61735	-.27119	.12294	.00785	.01351	.04201	.07987	.07051	.00326	-.01393
GRADIENT		.06385	-.02781	-.00095	-.00007	-.00000	-.00038	-.00071	-.00010	-.00003	.00000

DATE 24 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 79

(AMC013) (05 FEB 75)

LARC 8-TFT-693 (IA43) CONFIGURATION 02/14/37

REFERENCE DATA

SREF = 2693.0000 90. FT. XMRP = 976.0000 IN. XT
 LREF = 1293.3000 INCHES YMRP = .0000 IN. YT
 SREF = 1293.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 54/ 0 RIVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	QF	CLMF	CAF	CABO	CMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
.900	-11.366	-.86113	.33200	.18286	.01154	.01484	.06154	.11400	.08921	.00475	-.01529
.901	-9.083	-.66085	.24811	.19080	.01111	.01484	.05913	.10616	.08592	.00454	-.01529
.901	-6.851	-.49142	.18232	.19304	.01078	.01484	.05728	.10345	.08343	.00438	-.01529
.901	-4.626	-.33315	.12313	.19470	.01050	.01484	.05564	.10030	.08182	.00424	-.01529
.901	-2.412	-.16641	.05592	.19337	.01018	.01484	.05396	.09886	.08056	.00411	-.01529
.901	-.239	-.04149	.00676	.19081	.01023	.01484	.05333	.09869	.07963	.00415	-.01529
.903	1.975	.09733	-.05724	.18780	.01053	.01484	.05641	.09435	.07852	.00431	-.01529
.903	4.156	.23069	-.11332	.18450	.01091	.01484	.05795	.09339	.08255	.00443	-.01529
.903	6.331	.36426	-.16430	.17476	.01074	.01484	.05710	.09283	.08678	.00438	-.01529
.903	8.538	.49739	-.21823	.16825	.01055	.01484	.05616	.09232	.08954	.00432	-.01529
.903	10.712	.61751	-.26193	.16145	.01138	.01484	.05093	.09828	.09372	.00452	-.01529
.903	GRADIENT	.06448	-.02715	-.00118	.00005	.00000	.00032	-.00061	-.00003	.00003	-.00000

BETA = .000 ELV-LO = 8.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = 8.000 RUDDER = .000
 SPBRK = .000 BDFLAP = .000

PARAMETRIC DATA

RUN NO. 53/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	QF	CLMF	CAF	CABO	CMBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.129	-11.593	-.90812	.36058	.24305	.01094	.01654	.05941	.10222	.09177	.00452	-.01704
1.131	-9.276	-.70626	.27693	.24896	.01067	.01654	.05670	.09830	.08879	.00434	-.01704
1.130	-6.979	-.51920	.20408	.25055	.01026	.01654	.05440	.09430	.08549	.00415	-.01704
1.130	-4.724	-.24975	.13657	.25098	.01000	.01654	.05301	.09173	.08433	.00403	-.01704
1.130	-2.472	-.10566	.06948	.25194	.00984	.01654	.05205	.08915	.08318	.00394	-.01704
1.130	-.243	-.03778	.00974	.25366	.00967	.01654	.05107	.09045	.08164	.00385	-.01704
1.130	1.974	.09859	-.04943	.25171	.00974	.01654	.05142	.08636	.08065	.00388	-.01704
1.130	4.178	.23350	-.10963	.25026	.00980	.01654	.05175	.08387	.08075	.00390	-.01704
1.130	6.360	.37487	-.16963	.24495	.00988	.01654	.05218	.07961	.08243	.00394	-.01704
1.129	8.575	.49787	-.21859	.23776	.00996	.01654	.05267	.07770	.08543	.00399	-.01704
1.129	10.776	.61128	-.26393	.22723	.00961	.01654	.05105	.08088	.08708	.00391	-.01704
1.129	GRADIENT	.05539	-.02748	-.00007	-.00002	-.00000	-.00014	-.00094	-.00044	-.00001	-.00000

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 30 APR 75

PAGE 80

TABULATED SOURCE DATA - LARC 693 (IA43)

(AMCD13) (05 FEB 75)

LARC 8-TFT-693 (IA43) CONFIGURATION 02/14/57

REFERENCE DATA

SREF = 2690.0000 50. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO.

52/ 0

RWL =

4.22

GRADIENT INTERVAL =

-5.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELV-LO = 0.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = 0.000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

MACH	ALPHA	CDF	CLMF	CAF	CBO	CNBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.200	-11.678	-.92566	.37149	-.25974	.01121	.01348	.05013	.09891	.08823	.00471	-.01595
1.201	-9.331	-.70524	.27324	-.26522	.01062	.01548	.05652	.09421	.08724	.00435	-.01595
1.202	-7.027	-.51735	.20315	-.26796	.01022	.01348	.05420	.09021	.08440	.00413	-.01595
1.203	-4.744	-.33736	.12616	-.26918	.00999	.01348	.05290	.08674	.08288	.00402	-.01595
1.204	-2.486	-.17537	.05956	-.27147	.00976	.01348	.05154	.08455	.08092	.00389	-.01595
1.205	-.243	-.02576	.00395	-.27237	.00954	.01348	.05027	.08390	.07898	.00378	-.01595
1.206	1.364	.10368	-.05266	-.26964	.00945	.01348	.04883	.08129	.07746	.00374	-.01595
1.207	4.171	.23781	-.11088	-.26825	.00945	.01348	.04974	.07860	.07817	.00373	-.01595
1.208	6.387	.37431	-.16861	-.26328	.00945	.01348	.04959	.07516	.07906	.00372	-.01595
1.209	8.534	.50603	-.22425	-.25842	.00946	.01348	.04994	.07280	.08258	.00374	-.01595
1.210	10.604	.62758	-.26121	-.24869	.00948	.01348	.05022	.07355	.08391	.00376	-.01595
GRADIENT		.06423	-.02632	-.00316	-.00306	.00000	-.00336	-.00088	-.00058	-.00003	.00000

LARC 8-TFT-693 (IA43) CONFIGURATION 02/14/57

(AMCD14) (05 FEB 75)

REFERENCE DATA

SREF = 2690.0000 50. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 59/ 0 RWL = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELV-LO = 4.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = 4.000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

MACH	ALPHA	CDF	CLMF	CAF	CBO	CNBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.200	-11.144	-.79684	.30940	.13467	.03958	.01351	.03149	.09895	.07062	.00405	-.01393
1.201	-8.925	-.61984	.23219	.14062	.03926	.01251	.04970	.09764	.06856	.00390	-.01393
1.202	-6.721	-.43780	.16256	.14242	.03901	.01351	.04837	.08764	.06558	.00380	-.01393
1.203	-4.529	-.31012	.10330	.14275	.03868	.01351	.04648	.08431	.06270	.00363	-.01393
1.204	-2.338	-.16692	.04173	.14065	.03834	.01351	.04467	.08079	.06143	.00348	-.01393
1.205	-.183	-.02800	-.02474	.13884	.03817	.01351	.04388	.07763	.06028	.00344	-.01393
1.206	1.366	.10234	-.07678	.13672	.03816	.01351	.04372	.07759	.05894	.00342	-.01393
1.207	4.153	.22748	-.11964	.13377	.03796	.01351	.04252	.07807	.06287	.00330	-.01393
1.208	6.332	.35402	-.16480	.12874	.03779	.01351	.04158	.07741	.06541	.00322	-.01393
1.209	8.511	.48371	-.21593	.12454	.03777	.01351	.04157	.07765	.06894	.00324	-.01393
1.210	10.662	.60283	-.26816	.12073	.03785	.01351	.04234	.07814	.07389	.00327	-.01393
GRADIENT		.06193	-.02601	-.00307	-.00307	-.00000	-.00341	-.00055	-.00010	-.00003	.00000

LARC 8-TPT-693 (1A43) CONFIGURATION 02/14/87

PARAMETRIC DATA

BETA	=	.000	ELV-LO	=	4.000
ELV-L1	=	4.000	ELV-R1	=	4.000
ELV-RO	=	4.000	RUDDER	=	.000
SPDRK	=	.000	BOFLAP	=	.000

RUN NO. 56/ 0 RVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 57/ 9 BWL = 4.20 GRADIENT INTERVAL = -5.00/ 5.00

MAC1	ALPHA	QF	CLMF	CAF	QNB	QBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.130	-11.601	-9.9175	.37103	.24229	.01094	.01654	.05643	.10205	.09096	.00453	-.01704
1.129	-9.291	-7.1742	.28634	.24631	.01066	.01654	.05675	.09050	.06846	.00436	-.01704
1.130	-7.000	-5.3347	.21540	.24863	.01025	.01654	.05441	.09454	.08469	.00416	-.01704
1.130	-4.759	-3.6125	.14740	.24922	.01002	.01654	.05311	.09159	.06350	.00404	-.01704
1.130	-2.489	-1.9808	.06022	.24966	.00985	.01654	.05211	.09135	.06213	.00395	-.01704
1.130	-.256	-.04636	.01622	.25159	.00967	.01654	.05106	.09036	.06060	.00385	-.01704
1.130	1.959	.06926	-.04074	.24976	.00974	.01654	.05143	.08677	.07990	.00368	-.01704
1.129	4.172	.22567	-.10139	.24827	.00963	.01654	.05166	.08406	.06059	.00361	-.01704
1.130	6.369	.36915	-.16390	.24295	.00967	.01654	.05214	.07999	.06225	.00364	-.01704
1.132	8.571	.49072	-.21241	.23692	.00992	.01654	.05249	.07793	.06496	.00366	-.01704
1.130	10.770	.60165	-.24273	.22635	.00959	.01654	.05097	.06163	.06706	.00369	-.01704
68A2100T		.06368	-.32766	-.02009	-.02002	-.02003	-.02014	-.02068	-.02036	-.02001	.00000

ORIGINAL PAGE IS
OF POOR QUALITY

STANDARDIZED SOURCE DATA - LARC 693 (1A43)

DATE 04 APR 73

(AMC014) (03 FEB 75)

ABC 0-TPT-693 (1A43) CONFIGURATION 02/14/87

PARAMETRIC DATA

BETA	=	.000	ELV-LO	=	4.000
ELV-LI	=	4.000	ELV-RI	=	4.000
ELV-RO	=	4.000	RUDDER	=	.000
SPARK	=	.000	BOFLAP	=	.000

REFERENCE DATA

DATE	=	2690.0000	Sq.FT.	WAP	=	976.0000	IN.	ZT
LEN	=	1290.3000	INCHES	WAP	=	.0000	IN.	YT
WEI	=	1290.3000	INCHES	WAP	=	420.0000	IN.	ZT
SCALE	=							

REFERENCE DATA

SNCF	=	2630.0000	34.77.	304P	=	976.0000	IN.	ZT
LNCF	=	1250.3000	INCHES	744P	=	.0000	IN.	YT
ONCF	=	1230.3000	INCHES	244P	=	400.0000	IN.	ZT
SCALE	=		.0100					

(AMC015) (05 FEB 75)

ARC 8-TET-693 (1A43) CONFIGURATION 02/14/57

PARAMETRIC DATA

BETA =	.000	ELV-LO =	.000
ELV-LJ =	4.000	ELV-RI =	4.000
ELV-RO =	.000	RUDDER =	.000
SPDRK =	.000	BOFLAP =	.000

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (1A43)

PAGE 83

LARC 8-TFT-693 (1A43) CONFIGURATION 02/14/57

(AMC015) (05 FEB 75)

REFERENCE DATA

34ET = 2690.0000 98. FT. 100P = 976.0000 IN. XT
 14ET = 1290.3000 INCHES 100P = .0000 IN. YT
 84ET = 1290.3000 INCHES 200P = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BFLAP = .000

RUN NO. 62/ 0 RVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	QF	CLMF	CAF	CBO	CBF	CABO	CABET	CABSRB	CLMO	CLMBF
.980	-11.390	-89295	.35946	.17635	.01166	.01484	.06246	.11343	.08743	.00488	-.01529
.981	-9.108	-68775	.27161	.18712	.01124	.01484	.06003	.10768	.08435	.00468	-.01529
.981	-6.865	-51889	.20708	.19018	.01090	.01484	.05811	.10293	.08167	.00449	-.01529
.981	-4.630	-36351	.14807	.19161	.01061	.01484	.05642	.09959	.08001	.00432	-.01529
.981	-2.433	-21820	.08280	.18938	.01039	.01484	.05515	.09849	.07846	.00421	-.01529
.981	-.226	-07218	.03332	.18661	.01049	.01484	.05370	.09668	.07755	.00426	-.01529
.980	1.962	.07374	-.03329	.18366	.01083	.01484	.05754	.09462	.07723	.00440	-.01529
.980	4.140	.20166	-.08790	.17998	.01109	.01484	.05891	.09708	.08268	.00451	-.01529
.980	6.338	.34238	-.14531	.17220	.01085	.01484	.05768	.09318	.08681	.00442	-.01529
.980	8.529	.46924	-.19479	.16620	.01059	.01484	.05634	.08284	.08972	.00433	-.01529
.980	10.759	.59342	-.24009	.15954	.01106	.01484	.05878	.09941	.09343	.00450	-.01529
GRADIENT		.06472	-.02727	-.00131	.00006	.00000	.00033	-.00041	.00018	.00003	.00000

RUN NO. 61/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	QF	CLMF	CAF	CBO	CBF	CABO	CABET	CABSRB	CLMO	CLMBF
1.130	-11.611	-93315	.38392	.24024	.01099	.01654	.05883	.10235	.09080	.00459	-.01704
1.131	-9.301	-73106	.29818	.24647	.01066	.01654	.05679	.09799	.08769	.00438	-.01704
1.130	-7.000	-54780	.22711	.24793	.01025	.01654	.05448	.09418	.08432	.00418	-.01704
1.130	-4.741	-37701	.15973	.24757	.01006	.01654	.05340	.09167	.08313	.00408	-.01704
1.130	-2.487	-21167	.09214	.24832	.00986	.01654	.05223	.09141	.08162	.00396	-.01704
1.129	-.255	-06048	.02996	.24966	.00971	.01654	.05130	.09059	.08012	.00388	-.01704
1.130	1.932	.07745	-.03048	.24793	.00978	.01654	.05163	.08674	.07950	.00390	-.01704
1.130	4.131	.21260	-.09103	.24703	.00981	.01654	.05181	.08598	.08029	.00391	-.01704
1.129	6.374	.36268	-.15588	.24147	.00988	.01654	.05225	.08027	.08241	.00393	-.01704
1.129	8.563	.48258	-.20553	.23575	.00995	.01654	.05267	.07811	.08569	.00400	-.01704
1.129	10.763	.59224	-.23413	.22498	.01038	.01654	.05092	.08230	.08716	.00390	-.01704
GRADIENT		.06809	-.02809	-.00006	-.00003	.00000	-.00017	-.00090	-.00035	-.00002	.00000

LARC 8-TFT-693 (IA43) CONFIGURATION 02/74/57

(AMC015) (05 FEB 75)

REFERENCE DATA

REF = 2680.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 68/ 0 RVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLF	CLWF	CAF	CBO	C8F	CABO	CABET	CABSRB	CLMBO	CLMBF
1.201	-11.685	-94966	.39243	.23906	.01127	.01548	.06043	.09910	.08742	.00473	-.01595
1.200	-9.351	-.73155	.29645	.26293	.01065	.01548	.05670	.09432	.08636	.00437	-.01595
1.200	-7.043	-.54012	.22009	.26327	.01020	.01548	.05421	.09042	.08375	.00415	-.01595
1.201	-4.757	-.36036	.14647	.26613	.00995	.01548	.05281	.08691	.08198	.00403	-.01595
1.200	-2.498	-.19546	.07720	.26769	.00975	.01548	.05157	.08477	.07997	.00390	-.01595
1.200	-.258	-.04638	.01795	.26852	.00952	.01548	.05021	.08405	.07783	.00378	-.01595
1.200	1.964	.08582	-.03770	.26502	.00946	.01548	.04906	.08233	.07672	.00375	-.01595
1.200	4.196	.21819	-.09506	.26432	.00943	.01548	.04970	.07926	.07762	.00373	-.01595
1.200	6.387	.35871	-.15514	.25919	.00942	.01548	.04961	.07606	.07978	.00372	-.01595
1.201	8.582	.48922	-.21018	.25539	.00944	.01548	.04977	.07363	.08256	.00374	-.01595
1.200	10.807	.61623	-.25115	.24661	.00950	.01548	.04914	.07405	.08382	.00378	-.01595
GRADIENT		.06460	-.02693	-.00328	-.00006	.00000	-.00036	-.00080	-.00054	-.00003	.00000

REFERENCE DATA

REF = 2680.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 5.000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 68/ 0 RVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLF	CLWF	CAF	CBO	C8F	CABO	CABET	CABSRB	CLMBO	CLMBF
.600	-10.697	-.77529	.32674	.07504	.00750	.01060	.03953	.10196	.07847	.00297	-.01092
.600	-8.561	-.63214	.26833	.06205	.00729	.01060	.03647	.09789	.07539	.00290	-.01092
.600	-6.464	-.50117	.21996	.06926	.00706	.01060	.03724	.09364	.07259	.00280	-.01092
.600	-4.348	-.37448	.16629	.06280	.00686	.01060	.03622	.09040	.07119	.00273	-.01092
.598	-2.269	-.27131	.12335	.09199	.00677	.01060	.03574	.08854	.07118	.00270	-.01092
.600	-.175	-.13746	.08155	.09191	.00653	.01060	.03455	.08641	.07057	.00262	-.01092
.598	1.919	-.03735	.03432	.06853	.00646	.01060	.03415	.08395	.07093	.00258	-.01092
.600	4.056	.09151	-.01769	.06575	.00622	.01060	.03280	.08222	.07006	.00246	-.01092
.600	6.155	.20700	-.06255	.07737	.00607	.01060	.03217	.08143	.07058	.00244	-.01092
.599	8.238	.33452	-.11835	.06753	.00595	.01060	.03178	.07941	.07136	.00246	-.01092
.599	10.368	.46597	-.16999	.05597	.00579	.01060	.03080	.07669	.07260	.00239	-.01092
GRADIENT		.05554	-.02186	-.00284	-.00006	.00000	-.00040	-.00100	-.00012	-.00003	.00000

DATE 26 APR 75

TABULATED SOURCE DATA - LARC 993 (1A43)

PAGE 85

LARC 8-TPT-893 (1A43) CONFIGURATION 02/14/87

(AMC016) (05 FEB 75)

REFERENCE DATA

REF = 2880.0000 SQ. FT. YREF = 976.0000 IN. XT
 LREF = 1250.3000 INCHES YREF = .0000 IN. YT
 BREF = 1250.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 5.000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 67/ 0 RVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CL _α	CAF	CBO	CNBF	CBO	CABT	CASRB	CLMO	CLMBF
.899	-11.260	-8.4978	.34083	.11820	.00983	.01351	.05320	.10729	.07356	.00425	-.01393
.899	-9.039	-6.8098	.27226	.12408	.00948	.01351	.05123	.10339	.07224	.00408	-.01393
.899	-6.834	-5.2948	.20970	.12778	.00907	.01351	.04880	.09925	.07075	.00395	-.01393
.900	-4.635	-3.7439	.14720	.13151	.00876	.01351	.04709	.09501	.06865	.00371	-.01393
.900	-2.434	-2.3437	.09139	.13478	.00850	.01351	.04561	.09207	.06686	.00358	-.01393
.899	-2.28	-.09980	.03240	.13359	.00841	.01351	.04509	.08941	.06632	.00353	-.01393
.900	1.925	.03907	-.02761	.12985	.00828	.01351	.04443	.08609	.06637	.00348	-.01393
.899	4.111	.17147	-.07758	.12657	.00819	.01351	.04406	.08572	.07053	.00348	-.01393
.899	6.308	.30194	-.12369	.12200	.00791	.01351	.04280	.08437	.07372	.00342	-.01393
.900	8.489	.44379	-.18231	.11683	.00802	.01351	.04343	.08276	.07827	.00347	-.01393
.899	10.662	.56634	-.22677	.11369	.00832	.01351	.04452	.08694	.07352	.00347	-.01393
GRADIENT		.06247	-.02602	-.00068	-.00006	-.00000	-.00000	-.00112	.00022	-.00000	-.00000

RUN NO. 66/ 0 RVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CL _α	CAF	CBO	CNBF	CBO	CABT	CASRB	CLMO	CLMBF
.900	-11.337	-9.3731	.39295	.15967	.01283	.01326	.06846	.12089	.09069	.00329	-.01573
.902	-9.237	-7.5840	.31006	.16924	.01228	.01326	.06535	.11873	.08707	.00303	-.01573
.900	-6.936	-5.7141	.23366	.17244	.01139	.01326	.06064	.11382	.08684	.00467	-.01573
.901	-4.739	-4.0870	.16974	.17783	.01099	.01326	.05949	.10921	.08702	.00449	-.01573
.900	-2.498	-.25329	.11091	.17813	.01078	.01326	.05733	.10650	.08734	.00440	-.01573
.900	-.266	-.10369	.05038	.17618	.01072	.01326	.05692	.10441	.08924	.00435	-.01573
.900	1.942	.04333	-.01305	.17271	.01082	.01326	.05746	.10240	.09251	.00439	-.01573
.900	4.122	.18274	-.07283	.17032	.01092	.01326	.05803	.10115	.09184	.00445	-.01573
.900	6.346	.32359	-.13391	.16576	.01117	.01326	.05954	.10081	.09362	.00459	-.01573
.900	8.534	.45789	-.18599	.15908	.01143	.01326	.06087	.09994	.09634	.00469	-.01573
.979	10.735	.59427	-.24056	.15235	.01167	.01326	.06229	.10021	.09934	.00482	-.01573
GRADIENT		.06685	-.02748	-.00090	-.00001	-.00000	-.00000	-.00091	.00067	-.00000	-.00000

DATE 04 APR 79

TABULATED SOURCE DATA - LARC 693 (IA43)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/74/97

(AMC016) (05 FEB 75)

REFERENCE DATA

SRF = 2690.0000 50. FT. XMRP = 976.0000 IN. XT
 LRF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BRP = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 5.000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPBRK = .000 BOFLAP = .000

RUN NO. 65/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CF	CLMF	CAF	CBO	QBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.130	-11.736	-.98093	.40239	.21899	.01208	.01654	.06447	.10944	.09583	.00489	-.01704
1.131	-9.432	-.77312	.31806	.23029	.01161	.01654	.06210	.10347	.09141	.00483	-.01704
1.131	-7.108	-.58225	.23761	.23801	.01141	.01654	.06090	.09646	.08920	.00471	-.01704
1.130	-4.835	-.40622	.16776	.24221	.01093	.01654	.05829	.09501	.08835	.00450	-.01704
1.130	-2.568	-.24373	.10555	.24384	.01067	.01654	.05684	.09353	.08791	.00438	-.01704
1.133	-.295	-.09011	.04590	.24262	.01060	.01654	.05646	.09107	.08794	.00435	-.01704
1.130	1.936	.05680	-.01766	.24194	.01045	.01654	.05559	.08997	.08605	.00426	-.01704
1.130	4.145	.19765	-.08039	.23677	.01008	.01654	.05378	.08938	.08498	.00416	-.01704
1.130	6.354	.33686	-.14110	.23178	.01015	.01654	.05430	.08824	.08571	.00422	-.01704
1.130	8.593	.47651	-.19652	.22590	.01042	.01654	.05580	.08791	.08861	.00438	-.01704
1.130	10.803	.60530	-.24393	.21666	.01056	.01654	.05648	.08554	.08955	.00440	-.01704
1.129	GRADIENT	.05715	-.02759	-.00057	-.00009	-.00000	-.00046	-.00064	-.00038	-.00004	.00000

RUN NO. 64/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CF	CLMF	CAF	CBO	QBF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.200	-11.804	-.99304	.40817	.24141	.01194	.01548	.06377	.10115	.09545	.00494	-.01595
1.201	-9.468	-.77716	.31735	.25027	.01155	.01548	.06172	.09605	.09237	.00479	-.01595
1.199	-7.141	-.57441	.23080	.25674	.01134	.01548	.06081	.09176	.08961	.00471	-.01595
1.200	-4.862	-.39795	.16019	.26119	.01076	.01548	.05758	.08933	.08765	.00448	-.01595
1.200	-2.562	-.23117	.09449	.26253	.01053	.01548	.05622	.08748	.08653	.00435	-.01595
1.200	-.309	-.07615	.03407	.26128	.01038	.01548	.05529	.08544	.08577	.00426	-.01595
1.200	1.953	.07333	-.02634	.26051	.01028	.01548	.05457	.08448	.08369	.00417	-.01595
1.200	4.142	.20467	-.08495	.25613	.00999	.01548	.05316	.08412	.08256	.00408	-.01595
1.201	6.367	.34242	-.14405	.25136	.00982	.01548	.05286	.08206	.08293	.00408	-.01595
1.200	8.612	.47993	-.19706	.24411	.01536	.01548	.05379	.08239	.08537	.00416	-.01595
1.200	10.823	.61324	-.24782	.23713	.00998	.01548	.05341	.08008	.08670	.00416	-.01595
1.200	GRADIENT	.06893	-.02714	-.00054	-.00008	-.00000	-.00046	-.00060	-.00058	-.00004	.00000

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 87

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/77

(LANC017) (05 FEB 75)

REFERENCE DATA

SREF = 2630.0000 SQ. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 SREF = 1290.3000 INCHES ZREF = 490.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -5.000 ELY-LO = .000
 ELY-LI = .000 ELY-RI = .000
 ELY-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 73/ 0 RV/L = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	C/F	CL/F	C/F	CABO	C/BF	CABO	CABET	CABSRB	CLMBO	CLMBF
.600	-10.687	-.75938	.32023	.00755	.01060	.01060	.04061	.10216	.06465	.00320	-.01082
.600	-8.564	-.62193	.26462	.00742	.01060	.01060	.03980	.09791	.06216	.00312	-.01082
.601	-6.466	-.48718	.20892	.00728	.01060	.01060	.03898	.09370	.05906	.00304	-.01082
.600	-4.340	-.36141	.15977	.00714	.01060	.01060	.03816	.09011	.05609	.00296	-.01082
.600	-2.266	-.25136	.11730	.00692	.01060	.01060	.03699	.08650	.05333	.00287	-.01082
.599	-.171	-.14273	.07693	.00674	.01060	.01060	.03599	.08454	.05140	.00279	-.01082
.600	1.929	-.02552	.03131	.00659	.01060	.01060	.03478	.08198	.04885	.00272	-.01082
.600	4.040	.09443	-.01619	.00648	.01060	.01060	.03413	.08175	.04837	.00267	-.01082
.599	6.118	.21033	-.06258	.00636	.01060	.01060	.03288	.08152	.04869	.00255	-.01082
.599	8.246	.34150	-.11731	.00616	.01060	.01060	.03147	.08032	.04810	.00245	-.01082
.600	10.343	.46863	-.16876	.00588	.01060	.01060	.03041	-.00097	.04808	-.00003	-.00000
	GRADIENT	.05429	-.02090	-.02208	.00220	.00220					

RUN NO. 72/ 0 RV/L = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	C/F	CL/F	C/F	CABO	C/BF	CABO	CABET	CABSRB	CLMBO	CLMBF
.800	-11.234	-.85077	.34128	.01031	.01351	.01351	.05555	.10598	.06254	.00439	-.01393
.900	-9.027	-.66452	.25957	.00998	.01351	.01351	.05358	.10212	.06203	.00420	-.01393
.900	-6.812	-.50852	.19739	.00959	.01351	.01351	.05143	.09646	.05981	.00402	-.01393
.900	-4.610	-.35908	.13926	.00930	.01351	.01351	.04980	.09319	.05803	.00388	-.01393
.900	-2.430	-.21976	.08396	.00895	.01351	.01351	.04785	.08954	.05713	.00372	-.01393
.900	-.249	-.08267	.02452	.00887	.01351	.01351	.04745	.08710	.05699	.00369	-.01393
.900	1.939	.04875	-.02963	.00873	.01351	.01351	.04673	.08458	.05621	.00364	-.01393
.901	4.130	.17775	-.07823	.00862	.01351	.01351	.04611	.08465	.06407	.00358	-.01393
.900	6.293	.30763	-.12649	.00827	.01351	.01351	.04421	.08433	.06498	.00344	-.01393
.900	8.491	.44291	-.17777	.00826	.01351	.01351	.04416	.08503	.06732	.00343	-.01393
.900	10.668	.57533	-.22739	.00830	.01351	.01351	.04434	.08553	.06958	.00344	-.01393
	GRADIENT	.06143	-.02511	-.02007	.00200	.00200			.00060	-.00003	-.00000

DATE 04 APR 73

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 88

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57

(AMC017) (05 FEB 75)

REFERENCE DATA

SREF = 2880.0000 50.FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -5.000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

RUN NO. 71/ 0 RIVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	Q/F	CLMF	CAF	CBO	CBF	CBO	CABO	CABET	CABSRB	CLMBO	CLMBF
.900	-11.516	-.94050	.38418	.17812	.01354	.01526	.07274	.12020	.07478	.00572	-.01573	-.01573
.900	-9.211	-.73944	.30110	.18362	.01287	.01526	.06902	.11535	.07427	.00540	-.01573	-.01573
.900	-6.973	-.55787	.22556	.19332	.01208	.01526	.06471	.10909	.07209	.00505	-.01573	-.01573
.900	-4.707	-.39400	.10355	.19727	.01151	.01526	.06153	.10420	.07138	.00478	-.01573	-.01573
.975	-2.494	-.24515	.10872	.20368	.01126	.01526	.06007	.10181	.07087	.00465	-.01573	-.01573
.975	-.273	-.09442	.04704	.20038	.01108	.01526	.05904	.10097	.07077	.00455	-.01573	-.01573
.975	1.929	.04631	-.01207	.19748	.01109	.01526	.05907	.10101	.07255	.00455	-.01573	-.01573
.975	4.112	.18177	-.07385	.18843	.01139	.01526	.05959	.10083	.07811	.00468	-.01573	-.01573
.975	6.325	.32041	-.12683	.17895	.01158	.01526	.06174	.10121	.08368	.00477	-.01573	-.01573
.900	8.520	.45673	-.17874	.17332	.01206	.01526	.06442	.10380	.08642	.00499	-.01573	-.01573
.975	10.712	.58922	-.23429	.16533	.01177	.01526	.06272	.10335	.08955	.00484	-.01573	-.01573
GRADIENT		.06546	-.02673	-.00095	-.00002	.00000	-.00012	-.00034	.00068	-.00001	-.00000	-.00000

RUN NO. 72/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	Q/F	CLMF	CAF	CBO	CBF	CBO	CABO	CABET	CABSRB	CLMBO	CLMBF
1.130	-11.749	-.97170	.39548	.23992	.01290	.01654	.06563	.10859	.07472	.00534	-.01704	-.01704
1.131	-9.410	-.76195	.30870	.24762	.01199	.01654	.06509	.10170	.07490	.00524	-.01704	-.01704
1.131	-7.125	-.56321	.22886	.25197	.01167	.01654	.06321	.09759	.07381	.00506	-.01704	-.01704
1.130	-4.830	-.39263	.15919	.25871	.01114	.01654	.06036	.09539	.07288	.00476	-.01704	-.01704
1.130	-2.556	-.23366	.10003	.26034	.01095	.01654	.05859	.09438	.07166	.00456	-.01704	-.01704
1.130	-.317	-.08240	.04145	.26230	.01082	.01654	.05755	.09270	.06900	.00442	-.01704	-.01704
1.130	1.930	.06873	-.02409	.25859	.01060	.01654	.05638	.09050	.07046	.00433	-.01704	-.01704
1.130	4.138	.23786	-.08629	.25045	.01056	.01654	.05633	.08844	.07239	.00433	-.01704	-.01704
1.130	6.357	.34301	-.14163	.24267	.01099	.01654	.05874	.08644	.07479	.00456	-.01704	-.01704
1.130	8.575	.47321	-.19163	.23522	.01122	.01654	.06014	.08922	.07695	.00473	-.01704	-.01704
1.130	10.804	.60027	-.23706	.22766	.01137	.01654	.06191	.08791	.08015	.00478	-.01704	-.01704
GRADIENT		.06705	-.02743	-.00063	-.00007	-.00000	-.00043	-.00078	.00010	-.00005	-.00000	-.00000

DATE 04 APR 73

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 69

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/87

(AMC017) (05 FEB 75)

REFERENCE DATA

SREF = 2690.0000 36. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = -5.000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

PARAMETRIC DATA

RUN NO. 69/ D RVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	CF	CLMF	CAF	CBO	CBEF	CABO	CABET	CABSRB	CLMBO	CLMBF
1.200	-11.827	-.99086	.40476	.26370	.01237	.01548	.06631	.10296	.07325	.00324	-.01995
1.201	-9.475	-.77030	.31106	.26790	.01194	.01548	.06441	.09869	.07444	.00311	-.01995
1.201	-7.148	-.56744	.22574	.27071	.01156	.01548	.06244	.09493	.07451	.00497	-.01995
1.200	-4.857	-.36814	.15383	.27455	.01111	.01548	.05995	.09317	.07267	.00476	-.01995
1.201	-2.569	-.22078	.08896	.27800	.01100	.01548	.05894	.09101	.07036	.00460	-.01995
1.201	-.318	-.07020	.03358	.28029	.01081	.01548	.05751	.08888	.06793	.00441	-.01995
1.201	1.932	.07664	-.02839	.27726	.01061	.01548	.05639	.08702	.06930	.00432	-.01995
1.200	4.139	-.21414	-.08697	.26864	.01048	.01548	.05589	.08548	.07083	.00432	-.01995
1.200	6.362	.35127	-.14684	.26178	.01094	.01548	.05847	.08391	.07242	.00454	-.01995
1.200	8.600	.48707	-.20162	.25463	.01112	.01548	.05959	.08427	.07465	.00466	-.01995
1.200	10.839	.61382	-.24481	.24782	.01111	.01548	.05958	.08314	.07727	.00466	-.01995
GRADIENT		.06649	-.02650	-.00055	-.00007	.00000	-.00047	-.00086	-.00020	-.00005	.00000

REFERENCE DATA

SREF = 2690.0000 36. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

PARAMETRIC DATA

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/87

(AMC018) (05 FEB 75)

RUN NO. 76/ D RVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	CF	CLMF	CAF	CBO	CBEF	CABO	CABET	CABSRB	CLMBO	CLMBF
.601	-10.602	-.76918	.33538	.08140	.00713	.01060	.03806	.10075	.07245	.00294	-.01082
.600	-8.498	-.63259	.27904	.08767	.00699	.01060	.03736	.09699	.06856	.00290	-.01082
.601	-6.401	-.50273	.22662	.09313	.00671	.01060	.03583	.09191	.06486	.00278	-.01082
.600	-4.293	-.37809	.17782	.09605	.00662	.01060	.03533	.08969	.06422	.00274	-.01082
.599	-2.223	-.27254	.13533	.09783	.00635	.01060	.03363	.08698	.06424	.00261	-.01082
.599	-.147	-.15934	.09042	.09870	.00610	.01060	.03238	.08613	.06372	.00247	-.01082
.600	1.956	-.04134	.04609	.09930	.00585	.01060	.03102	.08379	.06301	.00236	-.01082
.600	4.059	-.07900	-.00189	.09459	.00569	.01060	.03015	.08299	.06184	.00229	-.01082
.603	6.140	.19809	-.03036	.08777	.00563	.01060	.02968	.08115	.06303	.00226	-.01082
.600	8.220	.31545	-.09975	.07917	.00556	.01060	.02938	.07916	.06336	.00222	-.01082
.603	10.334	.44771	-.13203	.06734	.00549	.01060	.02904	.07927	.06391	.00220	-.01082
GRADIENT		.05495	-.02149	-.00007	-.00011	.00000	-.00063	-.00089	-.00034	-.00005	.00000

DATE 04 APR 75 TABULATED SOURCE DATA - LARC 893 (IA43)

LARC 8-TPT-893 (IA43) CONFIGURATION 02/11/57

(AMC018) (05 FEB 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDGRK = .000 BOFLAP = .000

RUN NO. 75/ 0 RIVL = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLF	CLMF	CLBO	CLBF	CABO	CABSRB	CLMBO	CLMBF
.901	-11.193	-.87167	.37232	.00940	.01351	.05040	.07311	.00394	-.01393
.903	-8.957	-.68926	.12861	.00894	.01351	.04779	.07168	.00371	-.01393
.900	-6.747	-.51882	.13352	.00847	.01351	.04519	.06859	.00350	-.01393
.900	-4.551	-.36568	.13349	.00804	.01351	.04282	.06514	.00329	-.01393
.903	-2.358	-.21912	.13098	.00771	.01351	.04103	.06393	.00315	-.01393
.893	-.207	-.08325	.13080	.00767	.01351	.04080	.06267	.00314	-.01393
.903	1.974	-.04866	.12846	.00750	.01351	.03995	.06428	.00308	-.01393
.901	4.339	.16472	.12807	.00733	.01351	.03909	.06510	.00302	-.01393
.900	6.308	.28518	.12304	.00724	.01351	.03867	.06697	.00299	-.01393
.903	8.473	.42085	.11898	.00733	.01351	.03912	.06849	.00302	-.01393
.903	10.536	.54606	.11753	.00746	.01351	.03974	.07161	.00306	-.01393
GRADIENT		.06121	-.02555	-.02208	-.02000	-.02039	.02201	-.02003	.00000

RUN NO. 74/ 0 RIVL = 4.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLF	CLMF	CLBO	CLBF	CABO	CABSRB	CLMBO	CLMBF
1.130	-11.634	-.96820	.41155	.01111	.01654	.05944	.09146	.00462	-.01704
1.131	-9.329	-.76121	.37306	.01070	.01654	.05718	.08930	.00444	-.01704
1.130	-7.006	-.57657	.25411	.01026	.01654	.05478	.08461	.00424	-.01704
1.130	-4.762	-.40682	.18602	.00991	.01654	.05281	.08319	.00407	-.01704
1.130	-2.511	-.24386	.12021	.00961	.01654	.05107	.08195	.00392	-.01704
1.130	-.269	-.09101	.05577	.00940	.01654	.04995	.08049	.00383	-.01704
1.130	1.937	.04839	-.00727	.00953	.01654	.05058	.07929	.00386	-.01704
1.130	4.149	.19166	-.07193	.00970	.01654	.05149	.08116	.00393	-.01704
1.130	6.361	.33143	-.13152	.00976	.01654	.05176	.08251	.00395	-.01704
1.130	8.596	.45531	-.18139	.00984	.01654	.05227	.08604	.00400	-.01704
1.130	10.752	.57133	-.21468	.00954	.01654	.05062	.08755	.00387	-.01704
1.129	GRADIENT	.06688	-.02885	-.02002	-.02000	-.02014	-.00000	-.00001	.00000

REFERENCE DATA

3487 = 2490.0000 34. FT.

3487 = 1290.0000 INCHES

3487 = 1290.0000 INCHES

SCALE = .0100

3487 = 976.0000 IN. XT

3487 = .0000 IN. YT

3487 = 400.0000 IN. ZT

PARAMETRIC DATA

BETA = .000

TANK = 1.000

SRB = 1.000

RUN NO. 82/ 0 RIVL = 3.18 GRADIENT INTERVAL = -5.00/ 5.00											
MAOH	ALPHA	CN	CLM	CA	CAF	CABET	CABSRB				
.599	-10.321	-.41456	.08624	.19145	.05791	.06925	.06426				
.600	-8.256	-.33580	.07650	.19013	.06310	.06712	.05991				
.599	-6.176	-.26524	.06976	.18736	.06662	.06537	.05537				
.599	-4.137	-.21237	.06944	.18457	.06638	.06247	.05573				
.599	-3.109	-.18011	.06707	.18369	.06761	.06115	.05493				
.599	-2.078	-.14167	.06184	.18293	.06687	.06060	.05348				
.600	-.020	-.07040	.05145	.18061	.06913	.05932	.05195				
.599	2.029	.03197	.04181	.17999	.06753	.05939	.05305				
.599	4.095	.07305	.03336	.17912	.06634	.05792	.05486				
.599	6.162	.13533	.02803	.17948	.06481	.05670	.05797				
.599	8.214	.21243	.01669	.18088	.06252	.05637	.06179				
.599	10.274	.30197	-.02046	.18368	.05873	.05630	.06568				
.601	GRADIENT	.03459	-.00457	-.00068	-.00005	-.00048	-.00015				
RUN NO. 81/ 0 RIVL = 3.78 GRADIENT INTERVAL = -5.00/ 5.00											
MAOH	ALPHA	CN	CLM	CA	CAF	CABET	CABSRB				
.601	-10.523	-.47037	.10880	.20582	.06861	.07368	.06332				
.600	-8.403	-.37797	.09365	.20527	.07453	.07088	.05985				
.601	-6.312	-.29680	.08458	.20281	.07884	.06807	.05590				
.601	-4.213	-.22772	.07952	.19930	.07978	.06459	.05494				
.601	-2.127	-.15121	.06382	.19465	.08023	.06220	.05222				
.600	-.034	-.07334	.05180	.19335	.08062	.06240	.05033				
.601	2.068	.02880	.04214	.19460	.07980	.06272	.05208				
.600	4.158	.08984	.02435	.19221	.07685	.06102	.05434				
.600	6.256	.16272	.01370	.19347	.07672	.06069	.05605				
.600	8.352	.25454	-.00199	.19523	.07483	.06130	.05910				
.600	10.465	.35573	-.02405	.19398	.06819	.06289	.06291				
.600	GRADIENT	.03799	-.00630	-.00068	-.00003	-.00032	-.00006				

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OF POOR QUALITY

LARC 8-TPT-693 (IA43) CONFIGURATION T4/37 (AMC019) (05 FEB 75)

REFERENCE DATA

SRF = 2690.0000 96. FT. XMRP = 976.0000 IN. XT
 LRF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BRF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
 SRB = 1.000

RUN NO. 77/ 0 RV/L = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

WACH	ALPHA	CN	CLM	CA	CAF	CABET	CASRB
.900	-10.586	-.47734	.11532	.22993	.08363	.07926	.06675
.900	-8.460	-.38963	.09983	.22808	.08871	.07674	.06263
.901	-8.352	-.31124	.08807	.22488	.09143	.07451	.05894
.900	-4.267	-.23339	.06435	.22028	.09121	.07215	.05691
.900	-2.149	-.15127	.05390	.21985	.09241	.07130	.05613
.900	-.034	-.06491	.04563	.21899	.09286	.07150	.05463
.899	2.094	.02229	.03836	.21908	.09098	.07308	.05501
.900	4.216	.11074	.02616	.21913	.08934	.07339	.05640
.901	6.319	.20072	-.00315	.21706	.08784	.06928	.05995
.901	8.434	.28700	-.02202	.21614	.08600	.06922	.06092
.900	10.544	.38045	-.04067	.21576	.08232	.06986	.06458
GRADIENT		.04082	-.00433	-.00014	-.00024	.00020	-.00010

RUN NO. 78/ 0 RV/L = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

WACH	ALPHA	CN	CLM	CA	CAF	CABET	CASRB
.900	-10.689	-.49214	.09777	.26334	.11018	.08523	.06793
.901	-8.529	-.38442	.08189	.26058	.11501	.08219	.06338
.900	-6.389	-.29495	.07306	.25567	.11945	.07859	.05763
.900	-4.274	-.21733	.06769	.25130	.11949	.07751	.05430
.900	-2.156	-.13649	.04912	.24592	.11846	.07410	.05326
.900	-.027	-.05447	.04081	.24538	.11935	.07475	.05128
.900	2.106	.03035	.03382	.24476	.11673	.07554	.05247
.900	4.214	.11701	.01319	.24267	.11326	.07334	.05606
.979	6.351	.19637	.00133	.24363	.11336	.07304	.05723
.900	8.482	.29049	-.01159	.24502	.11068	.07320	.06114
.900	10.653	.39816	-.02670	.24622	.10479	.07519	.06624
GRADIENT		.03943	-.00585	-.00086	-.00067	-.00032	.00013

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (1A43)

(AMC019) (05 FEB 75)

74/97

LARC 8-TPT-693 (1A43) CONFIGURATION

REFERENCE DATA

SRP = 2690.0000 IN. FT. YMRP = 976.0000 IN. XT
 LRF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BRP = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
 SRB = 1.000

RUN NO. 79/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CAF	CABET	CABSRB
1.130	-10.783	-.49694	.09234	.30871	.15472	.07517	.07881
1.130	-8.601	-.38486	.07483	.30731	.15727	.07314	.07690
1.130	-6.437	-.28259	.06780	.30317	.15531	.07314	.07473
1.130	-4.288	-.20967	.06226	.29984	.15388	.07369	.07227
1.129	-2.173	-.14151	.05373	.29621	.15562	.06880	.07178
1.130	-.031	-.05574	.04131	.29768	.15614	.07133	.07021
1.130	2.120	.03312	.03123	.29599	.15348	.07089	.07162
1.130	4.239	.10950	.01582	.29591	.15294	.07071	.07225
1.130	6.382	.19293	.00660	.29785	.15126	.07300	.07359
1.130	8.562	.29605	-.00818	.29786	.15068	.07101	.07617
1.130	10.733	.41536	-.02875	.29672	.14784	.06989	.07899
GRADIENT		.03809	-.00340	-.00036	-.00019	-.00018	-.00001

RUN NO. 80/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CAF	CABET	CABSRB
1.200	-10.814	-.50271	.09475	.31442	.16912	.06922	.07606
1.200	-8.611	-.38506	.07401	.31146	.17005	.06863	.07278
1.201	-6.439	-.28878	.06442	.30770	.16876	.06871	.07023
1.200	-4.293	-.20469	.05907	.30397	.16729	.06821	.06847
1.200	-2.180	-.13602	.05256	.30128	.16790	.06519	.06818
1.200	-.027	-.05142	.03946	.30376	.16943	.06733	.06880
1.200	2.135	.03419	.02940	.30113	.16700	.06663	.06750
1.201	4.248	.11010	.01637	.30145	.16642	.06600	.06903
1.200	6.407	.20016	.00619	.30329	.16442	.06812	.07075
1.200	8.591	.30282	-.00917	.30373	.16382	.06748	.07242
1.200	10.770	.42550	-.03240	.30177	.16120	.06611	.07446
GRADIENT		.03759	-.00507	-.00024	-.00012	-.00014	.00002

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (1A43)

PAGE 94

LARC 8-TPT-693 (1A43) CONFIGURATION T4

(AMC020) (05 FEB 75)

REFERENCE DATA

SREF = 2690.0000 38. FT. YMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000

RUN NO. 69/ 0 RIVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CAF	CABET
.600	-10.111	-.14273	.02528	.10286	.03618	.06668
.600	-8.072	-.12384	.02734	.10224	.03893	.06331
.600	-6.073	-.10721	.03140	.10134	.03971	.06163
.600	-4.333	-.08045	.03603	.09883	.03987	.05886
.600	-2.024	-.07275	.03861	.09543	.04113	.05430
.600	-.003	-.05280	.04075	.09146	.04168	.04978
.601	2.016	-.03613	.04432	.08816	.04015	.04801
.601	4.046	-.01837	.04814	.08478	.03923	.04555
.600	6.066	.03145	.05031	.08197	.03809	.04388
.600	8.077	.01934	.05455	.07903	.03486	.04117
.999	10.109	.03948	.05785	.07702	.03230	.04472
GRADIENT			.00148	-.00175	-.00012	-.00163

RUN NO. 87/ 0 RIVL = 3.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CAF	CABET
.801	-10.166	-.15219	.02789	.10871	.03890	.06981
.800	-8.144	-.13322	.03154	.10835	.04117	.06716
.800	-6.113	-.11483	.03537	.10666	.04237	.06429
.801	-4.073	-.09570	.03850	.10357	.04312	.06045
.800	-2.053	-.07620	.04045	.09972	.04321	.05651
.801	-.020	-.05289	.04039	.09552	.04274	.05378
.801	2.013	-.02901	.04002	.09365	.04120	.05245
.800	4.033	-.00875	.04140	.08925	.03879	.05046
.800	6.086	.01383	.04235	.08736	.03811	.04923
.801	8.118	.03903	.04467	.08459	.03479	.04980
.800	10.152	.05702	.04666	.08361	.03231	.05130
GRADIENT			.00226	-.00171	-.00053	-.00119



(AMC020) (05 FEB 75)

TABULATED SOURCE DATA - LARC 693 (IA43)
LARC 8-TPT-693 (IA43) CONFIGURATION T4

PARAMETRIC DATA

BETA = .000 TANK = 1.000

REFERENCE DATA

SREF = 2630.0000 IN. FT.
LREF = 1290.3000 INCHES
BREF = 1290.3000 INCHES
SCALE = .0100

RUN NO. 86/ 0 RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	CN	CLM	CA	CAF	CABET
.901	-10.205	-.15166	.02417	.12417	.04664	.07753
.900	-8.167	-.13114	.02740	.12239	.04910	.07329
.899	-6.131	-.11051	.02984	.12045	.05096	.06949
.901	-4.094	-.09015	.03280	.11765	.05146	.06619
.901	-2.048	-.06893	.03440	.11359	.05078	.06281
.900	-.018	-.04450	.03474	.11022	.04949	.06073
.900	2.019	-.02139	.03481	.10766	.04806	.05960
.900	4.056	.00108	.03572	.10221	.04559	.05662
.899	6.095	.02490	.03624	.09997	.04471	.05326
.900	8.133	.04632	.03976	.09760	.04217	.05343
.900	10.164	.07153	.03975	.09730	.03988	.05732
GRADIENT		.01129	.00331	-.00181	-.00371	-.00110

RUN NO. 85/ 0 RIVL = 4.08 GRADIENT INTERVAL = -5.00/ 5.00

MAON	ALPHA	CN	CLM	CA	CAF	CABET
.900	-10.245	-.15172	.01033	.15789	.07196	.08593
.900	-8.184	-.12675	.01512	.15476	.07294	.08182
.979	-6.139	-.10550	.01993	.15263	.07358	.07905
.900	-4.095	-.08298	.02355	.14973	.07415	.07558
.979	-2.072	-.06184	.02713	.14557	.07295	.07262
.900	-.028	-.03887	.02969	.14175	.07183	.06992
.900	2.026	-.01536	.03194	.13730	.07066	.06664
.900	4.069	.00693	.03498	.13133	.06976	.06257
.900	6.117	.03174	.03761	.12912	.06786	.06146
.900	8.173	.05539	.04098	.12786	.06456	.06330
.900	10.214	.07726	.04921	.12675	.06317	.06358
GRADIENT		.01108	.00135	-.00221	-.00064	-.00157

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 54. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BRFP = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

BETA = .000 TANK = 1.000

RUN NO. 84/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CAF	CABET
1.130	-10.280	-.15344	.00744	.19026	.10458	.08568
1.130	-8.221	-.12582	.01111	.18809	.10367	.08442
1.130	-6.168	-.10260	.01585	.18589	.10391	.08198
1.129	-4.117	-.08005	.01988	.18269	.10442	.07827
1.130	-2.059	-.05901	.02469	.17972	.10491	.07481
1.130	-.027	-.03538	.02791	.17711	.10396	.07315
1.130	2.033	-.01186	.03059	.17352	.10241	.07111
1.130	4.093	.01066	.03435	.17007	.10133	.06874
1.130	6.134	.03327	.03850	.16967	.09998	.06969
1.129	8.189	.05765	.04326	.16827	.09950	.06877
1.130	10.249	.08381	.04843	.16857	.09805	.07052
	GRADIENT	.01114	.00170	-.00153	-.00042	-.00111

RUN NO. 83/ 0 RIVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CAF	CABET
1.200	-10.290	-.15465	.00830	.19478	.11296	.08182
1.200	-8.227	-.12587	.01117	.19188	.11209	.07979
1.200	-6.173	-.10227	.01533	.18893	.11244	.07649
1.200	-4.119	-.07820	.01908	.18449	.11307	.07142
1.200	-2.037	-.05672	.02379	.18237	.11390	.06847
1.200	-.014	-.03274	.02670	.18037	.11273	.06762
1.200	2.037	-.00981	.03003	.17794	.11189	.06805
1.201	4.100	.01368	.03356	.17593	.11061	.06532
1.200	6.154	.03721	.03750	.17360	.10845	.06515
1.200	8.211	.06095	.04268	.17299	.10938	.06361
1.200	10.252	.08788	.04717	.17500	.10804	.06696
	GRADIENT	.01123	.00171	-.00105	-.00034	-.00071

DATE 04 APR 73

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 97

(AMC021) (05 FEB 75)

LARC 8-TPT-693 (IA43) CONFIGURATION T4

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
 RV/L = 4.400

RUN NO. 90/ 0 RV/L = 4.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CAF	CABET
.601	-2.028	-.07265	.03610	.09490	.04099	.05392
.600	-1.025	-.06364	.03922	.09322	.04089	.05233
.600	-.010	-.05367	.04016	.09069	.04071	.05018
.600	1.015	-.04374	.04166	.08900	.04035	.04865
.600	2.028	-.03451	.04292	.08782	.04005	.04777
	GRADIENT	.00947	.00119	-.00161	-.00024	-.00197

LARC 8-TPT-693 (IA43) CONFIGURATION T4 (AMC022) (05 FEB 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
 RV/L = 5.150

RUN NO. 91/ 0 RV/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CAF	CABET
.600	-2.061	-.07717	.04136	.10009	.04281	.05728
.799	-1.029	-.06619	.04180	.09849	.04282	.05567
.799	-.038	-.05409	.04116	.09660	.04235	.05425
.800	1.015	-.04257	.04088	.09521	.04207	.05314
.800	2.035	-.03097	.04116	.09373	.04106	.05265
	GRADIENT	.01134	-.00013	-.00156	-.00041	-.00115

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (1A43)

PAGE 96

LARC 6-TPT-693 (1A43) CONFIGURATION T4

(AMC083) (05 FEB 75)

REFERENCE DATA

SREF = 2690.0000 94. FT.
 LREF = 1290.3000 INCHES
 BREF = 1290.3000 INCHES
 SCALE = .0100

BETA = .000 TANK = 1.000
 RV/L = 4.750

PARAMETRIC DATA

RUN NO. 92/ 0 RV/L = 4.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CAF	CABET
.900	-2.061	-.07162	.03634	.11380	.03060	.06320
.900	-1.039	-.06075	.03682	.11238	.03053	.06185
.901	-.014	-.04675	.03566	.11102	.03012	.06090
.900	1.007	-.03553	.03555	.10969	.04936	.06033
.900	2.040	-.02358	.03596	.10802	.04827	.05975
GRADIENT	.01184	-.03020	-.00119	-.00357	-.00082	

LARC 6-TPT-693 (1A43) CONFIGURATION T4

(AMC084) (05 FEB 75)

REFERENCE DATA

SREF = 2690.0000 94. FT.
 LREF = 1290.3000 INCHES
 BREF = 1290.3000 INCHES
 SCALE = .0100

BETA = .000 TANK = 1.000
 RV/L = 2.100

PARAMETRIC DATA

RUN NO. 93/ 0 RV/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CAF	CABET
1.199	-2.020	-.05632	.02313	.17859	.11393	.06466
1.200	-.999	-.04932	.02525	.17820	.11378	.06442
1.200	-.007	-.03377	.02695	.17753	.11318	.06435
1.199	1.024	-.02255	.02867	.17696	.11325	.06371
1.199	2.027	-.00804	.02833	.17530	.11221	.06309
GRADIENT	.01176	.00137	-.00077	-.00039	-.00058	

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 99

(AMC025) (03 FEB 75)

LARC 8-TPT-693 (IA43) CONFIGURATION T4

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0020 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
 RV/L = 2.050

RUN NO. 94/ 0 RV/L = 1.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CAF	CABET
.900	-2.028	-.06160	.02671	.14230	.07273	.06957
.901	-.998	-.05024	.02808	.14096	.07290	.06808
.902	.001	-.03888	.02915	.13967	.07193	.06674
.902	1.012	-.02495	.02933	.13539	.07071	.06468
.902	2.021	-.01377	.02977	.13341	.07039	.06282
GRADIENT	.01196	.02073	-.00231	-.00064	-.00167	

LARC 8-TPT-693 (IA43) CONFIGURATION T4

(AMC026) (03 FEB 73)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
 RV/L = 1.980

RUN NO. 95/ 0 RV/L = 1.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CAF	CABET
.902	-2.025	-.05621	.03234	.11223	.05189	.06034
.902	-1.007	-.05688	.03431	.11062	.05028	.06034
.901	.001	-.04493	.03369	.10852	.04958	.05894
.902	1.009	-.03422	.03447	.10729	.04934	.05775
.902	2.028	-.02076	.03375	.10512	.04749	.05763
GRADIENT	.01122	.02029	-.00173	-.00094	-.00079	

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LARC 8-TPT-693 (IA43) CONFIGURATION T4

(AMC027) (05 FEB 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
 RV/L = 1.800

RUN NO. 96/ 0 RV/L = 1.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CAF	CABET
.799	-2.013	-.07220	.03795	.09816	.04316	.05900
.798	-1.006	-.06183	.03839	.09705	.04309	.05396
.798	.000	-.05305	.03859	.09487	.04195	.05292
.799	1.018	-.03937	.03857	.08319	.04173	.05146
.798	2.025	-.03049	.04004	.09132	.04041	.05091
GRADIENT	.01048	.00043	-.00174	-.00068	-.00106	

LARC 8-TPT-693 (IA43) CONFIGURATION T4

(AMC028) (05 FEB 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 TANK = 1.000
 RV/L = 1.570

RUN NO. 97/ 0 RV/L = 1.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CAF	CABET
.601	-1.996	-.07820	.03977	.09263	.04311	.04932
.600	-1.012	-.06595	.04035	.09139	.04173	.04966
.601	.004	-.05316	.03981	.08373	.04187	.04786
.600	1.017	-.04993	.04432	.08738	.04022	.04716
.602	2.012	-.03710	.04440	.08719	.04072	.04647
GRADIENT	.00938	.00134	-.00148	-.00063	-.00086	

DATE 34 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 101

LARC 8-TFT-693 (IA43) CONFIGURATION 02/14/76

(RHCND2) (14 FEB 75)

REFERENCE DATA

SREF = 2890.0000 36.0 FT. XMRP = 976.0000 IN. YT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RD = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 10/ 0 RIVL = 3.16 GRADIENT INTERVAL = -5.00/ 5.00

MACI	ALPHA	CLM	CLW	C46	CM	XCPM	YCPM	CBW	CTW
.600	-10.633	-.01517	-.00899	.01238	-.11640	12.55490	2.66202	-.01991	-.01263
.599	-8.513	-.01153	-.00656	.01094	-.09361	12.60489	2.59500	-.01534	-.00917
.598	-6.423	-.00794	-.00405	.01019	-.07327	12.71034	2.45636	-.01092	-.00555
.599	-4.331	-.00443	-.00170	.00911	-.05142	12.89120	2.24827	-.00652	-.00194
.599	-2.250	-.00116	.00261	.00977	-.03334	13.44144	1.76721	-.00252	.00261
.599	-.165	.00223	.00293	.00961	-.01318	15.51073	-.14296	.00169	.00678
.600	1.934	.00575	.00536	.01004	.00697	5.20971	9.16961	.00603	.01154
.599	4.027	.00962	.00812	.00958	.02825	10.40003	4.63065	.01077	.01565
.599	6.106	.01357	.01091	.00877	.05010	11.21889	3.97828	.01581	.01953
.599	8.198	.01758	.01379	.00770	.07139	11.53785	3.74804	.02049	.02304
.598	10.297	.02161	.01672	.00551	.09210	11.76596	3.63698	.02536	.02530
GRADIENT		.00168	.00117	.00006	.00955	-.62934	-.58301	.00206	.00211

RUN NO. 9/ 0 RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACI	ALPHA	CLM	CLW	C46	CM	XCPM	YCPM	CBW	CTW
.899	-11.224	-.01594	-.01010	.01580	-.11000	12.73200	2.79866	-.02042	-.00783
.900	-8.959	-.01184	-.00746	.01288	-.08250	12.79128	2.78560	-.01520	-.00484
.899	-6.775	-.00749	-.00459	.01037	-.05482	12.93141	2.72571	-.00971	-.00136
.901	-4.568	-.00288	-.00143	.00816	-.02731	13.46862	2.42504	-.00399	.00229
.899	-2.396	.00168	.00168	.00668	.00000	12.01828	1.45704	.00168	.00668
.899	-.231	.00619	.00477	.00593	.02675	11.01504	3.60911	.00728	.01158
.900	1.943	.01034	.00754	.00555	.05274	11.55034	3.27776	.01249	.01688
.898	4.100	.01257	.00881	.00705	.07082	11.57735	3.10382	.01545	.02226
.900	6.275	.01499	.01035	.00653	.08739	11.69524	3.04788	.01855	.02531
.900	8.456	.01745	.01197	.00587	.10322	11.87198	3.02486	.02165	.02604
.900	10.610	.01925	.01313	.00378	.11527	12.01787	3.00552	.02394	.02554
GRADIENT		.00183	.00122	-.00015	.01149	-.19618	-.14625	.00229	.00231

ORIGINAL PAGE IS
 OF POOR QUALITY

LARC 8-TFT-693 (IA43) CONFIGURATION 06/T4/36

(RHC002) (14 FEB 75)

REFERENCE DATA

SREF = 2690.0000 SA.FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO.

8/ 0

RVL =

4.21

GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	CLMT	CLWD	CMAG	CMW	YCFW	YCFW	CBW	CTW
1.129	-11.649	-.01745	-.01114	.02632	-.11885	13.10947	2.81656	-.02229	.00089
1.130	-9.340	-.01285	-.00814	.02327	-.08871	13.29543	2.79803	-.01646	.00421
1.129	-7.047	-.00795	-.00477	.01963	-.05990	13.60768	2.68455	-.01039	.00678
1.130	-4.772	-.00277	-.00122	.01605	-.02919	14.66027	2.33002	-.00396	.00978
1.130	-2.537	.00235	.00283	.01148	.00226	-12.06390	13.66680	.00304	.01197
1.129	-.294	.00862	.00677	.00674	.03484	11.13160	3.75845	.01004	.01423
1.130	1.914	.01344	.01013	.00241	.06234	11.86646	3.46335	.01598	.01580
1.130	4.119	.01780	.01316	-.00158	.08739	12.13584	3.34905	.02136	.01720
1.130	6.335	.02169	.01585	-.00537	.11000	12.28180	3.28829	.02617	.01825
1.130	8.543	.02433	.01765	-.00797	.12563	12.35121	3.25529	.02944	.01902
1.130	10.736	.02435	.01738	-.00564	.13147	12.28980	3.17686	.02971	.02160
GRADIENT		.00232	.00102	-.00199	.01319	.84817	-.36690	.00286	.00084

RUN NO.

7/ 0

RVL =

4.22

GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	CLMT	CLWD	CMAG	CMW	YCFW	YCFW	CBW	CTW
1.230	-11.693	.00000	.00000	.00000	.00000	12.05000	1.44130	.00000	.00000
1.231	-9.353	.00000	.00000	.00000	.00000	12.05000	1.44130	.00000	.00000
1.233	-7.046	.00000	.00000	.00000	.00000	12.05000	1.44130	.00000	.00000
1.230	-4.762	.00000	.00000	.00000	.00000	12.05000	1.44130	.00000	.00000
1.230	-2.498	.00000	.00000	.00000	.00000	12.05000	1.44130	.00000	.00000
1.230	-.244	.00000	.00000	.00000	.00000	12.05000	1.44130	.00000	.00000
1.230	1.942	.00000	.00000	.00000	.00000	12.05000	1.44130	.00000	.00000
1.230	4.151	.00000	.00000	.00000	.00000	12.05000	1.44130	.00000	.00000
1.230	6.377	.00000	.00000	.00000	.00000	12.05000	1.44130	.00000	.00000
1.230	8.590	.00000	.00000	.00000	.00000	12.05000	1.44130	.00000	.00000
1.230	10.811	.00000	.00000	.00000	.00000	12.05000	1.44130	.00000	.00000
GRADIENT		.00000	.00000	.00000	.00000	-.00000	-.00000	.00000	.00000

DATE 04 APR 75 TABULATED SOURCE DATA - LARC 693 (1A43)

(RHC03) (14 FEB 75) LARC 6-TPT-693 (1A43) CONFIGURATION 02/74/86

REFERENCE DATA
BREF = 2890.0000 36. FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA
BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDRK = .000 BDFLAP = .000

RUN NO. 13/ 0 RVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	CLM	CLMO	CMC	CMW	YCPW	YCPW	CBW	CTW
.600	-10.603	-.01324	-.00948	.01188	-.10849	12.56992	2.75707	-.01966	-.01143
.600	-8.498	-.01132	-.00698	.01035	-.08551	12.62468	2.70317	-.01500	-.00802
.600	-6.400	-.00799	-.00448	.00950	-.06611	12.73227	2.57333	-.01068	-.00470
.601	-4.297	-.00457	-.00212	.00866	-.04615	12.96161	2.36892	-.00845	-.00105
.600	-2.211	-.00122	.00020	.00877	-.02675	13.60688	1.86856	-.00231	.00302
.600	-.127	.00225	.00257	.00905	-.01603	19.17921	-2.03554	.00200	.00776
.600	1.962	.00569	.02496	.00901	.01375	8.93668	5.31752	.00625	.01196
.600	4.056	.00966	.03776	.00970	.03579	10.89573	3.96968	.01112	.01639
.598	6.146	.01337	.01057	.00810	.05651	11.36938	3.69075	.01587	.02024
.599	8.241	.01773	.01352	.00582	.07930	11.64164	3.53963	.02096	.02386
.600	10.348	.02174	.01642	.00315	.10220	11.80597	3.47350	.02582	.02668
GRADIENT		.00169	.00117	-.00000	.00979	-.42192	.31885	.00209	.00210

RUN NO. 12/ 0 RVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	CLM	CLMO	CMC	CMW	YCPW	YCPW	CBW	CTW
.900	-11.170	-.01572	-.01001	.01503	-.10755	12.71354	2.81040	-.02010	-.00807
.899	-8.943	-.01167	-.00737	.01168	-.08099	12.73473	2.79095	-.01497	-.00572
.900	-6.753	-.00735	-.00452	.00921	-.05330	12.87038	2.73287	-.00952	-.00224
.899	-4.546	-.00302	-.00158	.00762	-.02712	13.38594	2.48425	-.00412	.00179
.899	-2.337	.00153	.00157	.00638	-.00075	52.25717	-17.58044	.00150	.00822
.899	-.196	.00822	.00476	.00545	.02750	11.10901	3.55994	.00734	.01136
.899	1.973	.01016	.00741	.00583	.03180	11.51558	3.27860	.01227	.01696
.899	4.134	.01229	.00869	.00678	.06781	11.57524	3.13903	.01505	.02135
.900	6.304	.01487	.01041	.00633	.08400	11.69222	3.09934	.01829	.02438
.901	8.480	.01733	.01203	.00359	.09983	11.87925	3.06738	.02139	.02504
.900	10.634	.01903	.01303	.00064	.11301	12.02311	3.01857	.02363	.02492
GRADIENT		.00181	.00122	-.00010	.01118	-2.03653	1.01764	.00226	.00230

TABULATED SOURCE DATA - LARC 693 (IA43) (RHCHQ3) (14 FEB 75)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/74/56

REFERENCE DATA
 SREF = 2690.0000 56. FT. XREF = 976.0000 IN. XT
 LREF = 1290.0000 INCHES YREF = .0000 IN. YT
 BREF = 1290.0000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 11/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	CLWI	CLWO	CM4G	CMW	XCFW	YCFW	CBW	CTW
1.130	-11.621	-0.1123	.02531	-.11659	13.08887	2.82555	-.02198	.00046
1.131	-9.306	-0.1276	.02236	-.08732	13.27004	2.81480	-.01630	.00367
1.131	-6.997	-0.0785	.01879	-.05877	13.56815	2.69252	-.01024	.00617
1.133	-4.748	-0.0272	.01547	-.02825	14.64991	2.34307	-.00387	.00940
1.133	-2.492	.00303	.01284	.01095	-2.47792	9.37193	.00318	.0172
1.133	-.273	.00856	.00673	.03447	11.17253	3.76747	.00996	.01377
1.133	1.948	.01345	.02205	.06216	11.89340	3.46818	.01598	.01540
1.133	4.144	.01784	-.01314	.08852	12.15620	3.32892	.02144	.01704
1.129	6.361	.02174	.01583	-.00591	11.132	12.30208	.02627	.01800
1.129	8.566	.02427	.01731	-.03835	12.36137	3.22673	.02945	.01900
1.130	10.768	.02592	.01703	-.00652	12.36137	3.16329	.02923	.02138
GRADIENT	.03232	.00162	-.00197	.01315	.41678	-.17467	.00285	.00385

PARAMETRIC DATA

BETA = .000
 ELV-LO = .000
 ELV-RI = .000
 ELV-RO = .000
 RUDDER = .000
 BOFLAP = .000

LARC 8-TPT-693 (IA43) CONFIGURATION 02/74/53

REFERENCE DATA
 SREF = 2690.0000 56. FT. XREF = 976.0000 IN. XT
 LREF = 1290.0000 INCHES YREF = .0000 IN. YT
 BREF = 1290.0000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 17/ 0 RIVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	CLWI	CLWO	CM4G	CMW	XCFW	YCFW	CBW	CTW
1.130	-10.592	-0.1129	.01176	-.11188	12.54907	2.72139	-.01984	-.01228
1.131	-8.503	-0.1169	.01064	-.08928	12.61586	2.65776	-.01532	-.00854
1.131	-6.391	-0.0300	.00975	-.06586	12.74234	2.56198	-.01072	-.00461
1.133	-4.307	-0.0462	.00938	-.04784	12.98092	2.34584	-.00657	-.00090
1.133	-2.223	.00130	.00928	-.02938	13.54957	1.85372	-.00250	.00297
1.133	-.140	.00201	.00932	-.00961	16.65658	-.51865	.00162	.00726
1.133	1.954	.00573	.00910	.01224	8.48982	5.82519	.00623	.01181
1.131	4.047	.00949	.00895	.03202	10.72286	4.21741	.01079	.01583
1.130	6.133	.01332	.00839	.05311	11.30001	3.79025	.01548	.01980
1.129	8.217	.01737	.00727	.07315	11.59569	3.60624	.02043	.02341
1.130	10.316	.02144	.00552	.09606	11.77716	3.53191	.02535	.02616
GRADIENT	.03169	.00118	-.00205	.00964	-.45916	.36981	.00208	.00203

PARAMETRIC DATA

BETA = .000
 ELV-LO = .000
 ELV-RI = .000
 ELV-RO = .000
 RUDDER = .000
 BOFLAP = .000

DATE 04 APR 75 TABULATED SOURCE DATA - LARC 693 (1A43)

(RHCND4) (14 FEB 75)

LARC 8-TFT-693 (1A43) CONFIGURATION 02/14/73

REFERENCE DATA

SREF = 2690.0000 90. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 16/ 0 RVL = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLVI	CLWO	CM46	CMW	XCFW	YCFW	CBW	CTW
.901	-11.193	-.01593	-.01010	-.01539	-.10793	12.72662	2.81517	-.02022	-.00781
.902	-8.960	-.01191	-.00758	-.01233	-.08156	12.76782	2.80916	-.01523	-.00319
.900	-6.753	-.00752	-.00468	-.00972	-.03349	12.91276	2.75810	-.00970	-.00177
.900	-4.564	-.00295	-.00154	-.00777	-.02656	13.43914	2.48175	-.00403	-.00206
.901	-2.384	-.00161	-.00162	-.00609	-.00019	165.56953	-78.02418	-.00160	-.00605
.900	-.208	-.00611	-.00467	-.00535	-.02712	11.11344	3.55137	-.00721	-.01118
.901	1.961	-.01012	-.00737	-.00550	-.05180	11.54593	3.27136	-.01223	-.01663
.901	4.126	-.01238	-.00873	-.00686	-.06875	11.57622	3.12873	-.01518	-.02163
.901	6.288	-.01447	-.01009	-.00693	-.06250	11.65116	3.08421	-.01783	-.02465
.900	8.466	-.01668	-.01152	-.00443	-.09719	11.83358	3.04885	-.02064	-.02531
.901	10.629	-.01871	-.01286	-.00163	-.11019	11.97976	3.03181	-.02320	-.02530
GRADIENT		.00160	.00121	-.00011	.01117	-7.25390	3.82528	.00226	.00229

RUN NO. 15/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLVI	CLWO	CM46	CMW	XCFW	YCFW	CBW	CTW
1.130	-11.608	-.01729	-.01109	-.02585	-.11678	13.10102	2.82813	-.02204	-.00078
1.131	-9.311	-.01277	-.00815	-.02295	-.09702	13.30223	2.81587	-.01631	-.00426
1.131	-7.037	-.00795	-.00480	-.01971	-.05933	13.62732	2.69639	-.01037	-.00696
1.131	-4.747	-.00278	-.00125	-.01599	-.02882	14.68451	2.34489	-.00395	-.00980
1.130	-2.501	-.00296	-.00277	-.01145	-.00358	-3.14129	9.18871	-.00311	-.01222
1.130	-.768	-.00855	-.00671	-.00673	-.03466	11.12798	3.75212	-.00996	-.01418
1.130	1.938	-.01331	-.01002	-.00245	-.05197	11.86228	3.45317	-.01593	-.01576
1.130	4.137	-.01767	-.01306	-.00180	-.08683	12.14843	3.34744	-.02120	-.01685
1.130	6.349	-.02149	-.01564	-.00571	-.11019	12.29605	3.26813	-.02598	-.01796
1.129	8.552	-.02422	-.01750	-.00843	-.12657	12.36623	3.23365	-.02937	-.01876
1.130	10.744	-.02357	-.01673	-.00642	-.12883	12.28660	3.15495	-.02881	-.02126
GRADIENT		.00231	.00162	-.00201	.01305	.44342	-1.6651	.00284	.00080

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LARC 8-TFT-693 (IA43) CONFIGURATION 02/74/93

(RHC04) (14 FEB 75)

REFERENCE DATA

SREF = 2690.0000 94. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 14/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDBRK = .000 BOFLAP = .000

MACH	ALPHA	CLM	CLWO	CMC	CM	XCPW	YCPW	CBW	CTW
1.201	-11.653	-0.1711	-0.1101	.02791	-.11489	13.20338	2.83619	-.02179	.00323
1.201	-9.357	-0.1215	-.00779	.02454	-.08212	13.46983	2.82713	-.01549	.00690
1.200	-7.063	-.00694	-.00416	.01938	-.05236	13.80732	2.68276	-.00907	.00813
1.200	-4.778	-.00111	-.00004	.01306	-.02015	15.12682	1.95719	-.00193	.00873
1.200	-2.512	-.00476	.00410	.00701	.01243	9.37258	5.02789	.00527	.00968
1.200	-.259	.01004	.00777	.00254	.04276	11.76793	3.64081	.01178	.01173
1.200	1.926	-.01435	.01074	-.00068	.06799	12.09748	3.41810	.01712	.01393
1.200	4.146	.01828	.01344	-.00352	.09116	12.23333	3.31953	.02199	.01606
1.200	6.362	.02182	.01580	-.00712	.11339	12.34814	3.24381	.02644	.01724
1.200	8.567	.02451	.01771	-.00991	.12995	12.41203	3.21500	.02990	.01801
1.200	10.803	.02627	.01880	-.01131	.14070	12.43167	3.19017	.03200	.01892
GRADIENT		.00217	.00151	-.00183	.01249	-.13982	.05132	.00268	.00385

REFERENCE DATA

SREF = 2690.0000 94. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

LARC 8-TFT-693 (IA43) CONFIGURATION 02/74/92

(RHC05) (14 FEB 75)

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDBRK = .000 BOFLAP = .000

RUN NO. 21/ 0 RIVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLM	CLWO	CMC	CM	XCPW	YCPW	CBW	CTW
1.200	-10.598	-0.1540	-.00949	.01244	-.11132	12.58061	2.73714	-.01293	-.01147
.599	-8.491	-.01176	-.00699	.01090	-.08984	12.62604	2.66735	-.01542	-.00840
.599	-6.380	-.00803	-.00450	.00996	-.06649	12.76126	2.57255	-.01074	-.00432
.600	-4.298	-.00454	-.00210	.00938	-.04596	13.01907	2.36660	-.00641	-.00049
.599	-2.226	-.00129	.00220	.00931	-.02806	13.62509	1.87185	-.00243	.00328
.600	-.130	.00215	.00257	.00936	-.00791	17.66784	-1.10440	.00183	.00766
.599	1.971	.00570	.00511	.00904	.01111	8.18758	6.24573	.00615	.01143
.599	4.046	.00362	.00783	.00896	.03371	10.78818	4.11394	.01099	.01620
.600	6.141	.01327	.01042	.00809	.05368	11.33444	3.75690	.01546	.01962
.600	8.237	.01748	.01341	.00701	.07666	11.61592	3.57713	.02060	.02348
.599	10.333	.02141	.01630	.00532	.09625	11.78756	3.52490	.02533	.02600
GRADIENT		.00169	.00119	-.00005	.00931	-.47532	.37781	.00208	.00199

TABULATED SOURCE DATA - LARC 693 (IA43)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/74/92

(RMCMDS) (14 FEB 75)

PARAMETRIC DATA

BETA = .0001 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDRK = .000 BOFLAP = .000

REFERENCE DATA

SREF = 2630.0000 SQ. FT. YMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
SREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 20/ 0 RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMI	CLMO	CMAE	CMW	XCFW	YCFW	CBW	CTW
.900	-11.178	-.01597	-.01016	.01547	-.10755	12.73296	2.82346	-.02023	-.00763
.900	-8.930	-.01186	-.00758	.01231	-.08061	12.77503	2.81933	-.01514	-.00501
.900	-6.742	-.00743	-.00462	.00963	-.05293	12.91390	2.75623	-.00958	-.00174
.901	-4.544	-.00301	-.00161	.00758	-.02637	13.41485	2.51050	-.00408	.00192
.900	-2.367	.00165	.00160	.00619	.00394	-19.15782	17.85221	.00169	.00639
.901	-.195	.00636	.00483	.00519	.02882	11.19490	3.50851	.00753	.01138
.900	1.960	.01019	.00741	.00523	.05236	11.57576	3.26414	.01232	.01646
.901	4.144	.01235	.00875	.00674	.06781	11.57805	3.14732	.01511	.02131
.901	6.305	.01446	.01007	.00680	.08269	11.65953	3.07933	.01783	.02456
.901	8.468	.01690	.01166	.00421	.09870	11.84747	3.04519	.02082	.02541
.900	10.641	.01875	.01291	.00203	.11019	11.96253	3.03606	.02325	.02570
GRADIENT		.00181	.00122	-.00012	.01105	1.24425	-.61227	.00226	.00225

RUN NO. 18/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMI	CLMO	CMAE	CMW	XCFW	YCFW	CBW	CTW
1.130	-11.602	-.01721	-.01101	.02564	-.11678	13.09248	2.82171	-.02196	.00055
1.130	-9.300	-.01278	-.00812	.02262	-.08777	13.27363	2.80514	-.01635	.00376
1.130	-7.002	-.00784	-.00472	.01922	-.05877	13.60289	2.69093	-.01023	.00660
1.129	-4.739	-.00278	-.00126	.01565	-.02863	14.64546	2.35084	-.00395	.00950
1.130	-2.492	.00300	.00281	.01129	.00358	-2.92901	9.29341	.00315	.01206
1.129	-.271	.00851	.00668	.00661	.03447	11.13947	3.75388	.00991	.01401
1.130	1.932	.01330	.01003	.00237	.06159	11.86730	3.46396	.01581	.01560
1.130	4.154	.01776	.01311	-.00177	.08758	12.14595	3.34067	.02133	.01705
1.129	6.380	.02159	.01575	-.00550	.11000	12.28741	3.27978	.02607	.01813
1.128	8.554	.02431	.01756	-.00822	.12714	12.35698	3.23232	.02949	.01909
1.129	10.772	.02406	.01709	-.00560	.13128	12.28870	3.15795	.02940	.02160
GRADIENT		.00231	.00162	-.00197	.01308	.43647	-.17150	.00285	.00084

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 108

LARC 8-TFT-693 (IA43) CONFIGURATION 02/74/32

(RHCH03) (14 FEB 75)

REFERENCE DATA

SREF = 2690.0000 90. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 SDFLAP = .000

RUN NO. 19/ 0 RV/L = 4.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLM	CLWD	CM46	CM	KCPW	YCPW	CBW	CTW
1.200	-11.697	-.01719	-.01112	.02609	-.11433	13.21656	2.64963	-.02184	.00353
1.201	-9.354	-.01223	-.00787	.02462	-.08212	13.47346	2.63625	-.01537	.00698
1.203	-7.052	-.00693	-.00419	.01927	-.05161	13.82286	2.69907	-.00903	.00818
1.205	-4.757	-.00113	-.00006	.01293	-.02015	15.09619	1.96849	-.00195	.00860
1.207	-2.515	.00472	.00410	.00710	.01168	9.16325	5.22720	.00520	.00961
1.209	-.253	.00996	.00773	.00268	.04257	11.75107	3.63294	.01169	.01182
1.211	1.939	.01432	.01055	-.00354	.06894	12.09408	3.39732	.01713	.01417
1.213	4.129	.01835	.01347	-.00350	.09192	12.23596	3.31127	.02209	.01615
1.215	6.395	.02176	.01578	-.00577	.11263	12.33538	3.25087	.02635	.01743
1.217	8.987	.02475	.01783	-.00987	.13034	12.40955	3.21994	.03006	.01813
1.219	10.807	.02640	.01889	-.01136	.14145	12.43131	3.18947	.03216	.01903
GRADIENT		.00218	.00151	-.00183	.01263	-.12622	.03866	.00269	.00088

REFERENCE DATA

SREF = 2690.0000 90. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 SDFLAP = .000

LARC 8-TFT-693 (IA43) CONFIGURATION 02/74/37

(RHCH06) (14 FEB 75)

RUN NO. 27/ 0 RV/L = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLM	CLWD	CM46	CM	KCPW	YCPW	CBW	CTW
.601	-10.362	-.01519	-.00925	.01134	-.11186	12.53125	2.71302	-.01974	-.01270
.601	-8.474	-.01138	-.00683	.00980	-.08570	12.59849	2.68310	-.01487	-.00851
.603	-6.372	-.00777	-.00429	.00928	-.05555	12.72222	2.55163	-.01044	-.00480
.601	-4.292	-.00446	-.00206	.00877	-.04320	12.97115	2.36545	-.00630	-.00094
.603	-2.198	-.00107	.00027	.00854	-.02324	13.63636	1.83940	-.00210	.00312
.603	-.121	.00236	.00261	.00854	-.00471	20.66114	-3.25321	.00217	.00753
.603	1.959	.00586	.00309	.00845	.01450	9.28364	5.22593	.00645	.01157
.599	4.072	.00971	.00782	.00826	.03560	10.94831	3.99621	.01116	.01591
.603	6.161	.01360	.01056	.00746	.05726	11.43140	3.66606	.01593	.01976
.599	8.249	.01781	.01349	.00603	.08137	11.69813	3.49151	.02112	.02351
.603	10.345	.02179	.01649	.00459	.09963	11.83169	3.48586	.02585	.02604
GRADIENT		.00169	.00118	-.00005	.00964	-.40324	.31845	.00208	.00202



DATE 34 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

(RMCH016) (14 FEB 75)

LARC 8-TFT-693 (IA43) CONFIGURATION 02/14/87

REFERENCE DATA

SREF = 2690.0000 34. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BRREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 26/ 0 RIVL = 3.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWD	CM4C	CMW	XCPW	YCPW	CBW	CTW
.801	-10.953	-.01502	-.00959	.01356	-.10227	12.67951	2.81689	-.01918	-.00841
.801	-8.784	-.01145	-.00724	.01183	-.07930	12.75935	2.79361	-.01468	-.00921
.801	-6.629	-.00782	-.00488	.01101	-.05538	12.99402	2.76405	-.01007	-.00889
.801	-4.459	-.00424	-.00243	.01067	-.03409	13.53603	2.63625	-.00563	-.00333
.800	-2.317	-.00068	.00000	.01072	-.01281	16.02401	1.93860	-.00120	-.00797
.801	-.183	.00301	.00257	.01082	.00829	5.65106	4.64329	.00335	.01260
.801	1.962	.00694	.00329	.01093	.03108	10.38014	3.53298	.00621	.01761
.800	4.124	.01116	.00820	.01096	.05575	11.15068	3.31626	.01343	.02254
.801	6.259	.01569	.01139	.00911	.08099	11.51594	3.25587	.01899	.02631
.801	8.407	.01808	.01288	.00640	.09794	11.79974	3.17037	.02207	.02744
.801	10.555	.01980	.01410	.00435	.10924	11.86094	3.14735	.02435	.02782
GRADIENT		.00179	.00124	-.00000	.01043	-.48408	.14011	.00222	.00224

RUN NO. 25/ 0 RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWD	CM4C	CMW	XCPW	YCPW	CBW	CTW
.900	-11.165	-.01576	-.01010	.01574	-.10661	12.75102	2.82601	-.02010	-.00716
.900	-8.938	-.01166	-.00747	.01232	-.07892	12.80324	2.82320	-.01487	-.00443
.900	-6.725	-.00732	-.00458	.01013	-.05161	12.98197	2.76965	-.00942	-.00096
.900	-4.515	-.00287	-.00154	.00827	-.02505	13.61746	2.51442	-.00389	-.00289
.900	-2.350	.00156	.00149	.00681	.00132	-12.47403	12.52399	.00161	.00709
.900	-.186	.00617	.00464	.00612	.02882	11.04167	3.44675	.00734	.01231
.900	1.981	.01015	.00735	.00642	.05274	11.47201	3.24401	.01290	.01775
.900	4.140	.01217	.00851	.00772	.06894	11.51828	3.09489	.01498	.02253
.901	6.313	.01462	.01014	.00707	.08438	11.69218	3.06419	.01805	.02520
.900	8.485	.01708	.01175	.00439	.10039	11.84237	3.03490	.02117	.02596
.900	10.643	.01911	.01308	.00200	.11359	11.96639	3.01732	.02373	.02640
GRADIENT		.00179	.00120	-.00007	.01106	-.91574	-.37640	.00224	.00231

NO. 1000 IS
 QUALITY

DATE 30 APR 73

STABULATED SOURCE DATA - LARC 693 (1A43)

(RHCH08) (14 FEB 73)

LARC 8-TPT-693 (1A43) CONFIGURATION 02/T4/S7

REFERENCE DATA

SNR = 2690.0000	SNR = 976.0000	IN. XT
LANP = 1290.3000	LANP = .0000	IN. YT
SNR = 1290.3000	SNR = 400.0000	IN. ZT
SCALE = .0100		

RUN NO. 249 R1/L = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

ANCH	ALPHA	CLM1	CLM2	CLM3	CLM4	CLM5	CLM6	CLM7	CLM8	CLM9	CLM10	CLM11	CLM12	CLM13	CLM14	CLM15	CLM16	CLM17	CLM18	CLM19	CLM20	CLM21	CLM22	CLM23	CLM24	CLM25	CLM26	CLM27	CLM28	CLM29	CLM30	CLM31	CLM32	CLM33	CLM34	CLM35	CLM36	CLM37	CLM38	CLM39	CLM40	CLM41	CLM42	CLM43	CLM44	CLM45	CLM46	CLM47	CLM48	CLM49	CLM50	CLM51	CLM52	CLM53	CLM54	CLM55	CLM56	CLM57	CLM58	CLM59	CLM60	CLM61	CLM62	CLM63	CLM64	CLM65	CLM66	CLM67	CLM68	CLM69	CLM70	CLM71	CLM72	CLM73	CLM74	CLM75	CLM76	CLM77	CLM78	CLM79	CLM80	CLM81	CLM82	CLM83	CLM84	CLM85	CLM86	CLM87	CLM88	CLM89	CLM90	CLM91	CLM92	CLM93	CLM94	CLM95	CLM96	CLM97	CLM98	CLM99	CLM100	CLM101	CLM102	CLM103	CLM104	CLM105	CLM106	CLM107	CLM108	CLM109	CLM110	CLM111	CLM112	CLM113	CLM114	CLM115	CLM116	CLM117	CLM118	CLM119	CLM120	CLM121	CLM122	CLM123	CLM124	CLM125	CLM126	CLM127	CLM128	CLM129	CLM130	CLM131	CLM132	CLM133	CLM134	CLM135	CLM136	CLM137	CLM138	CLM139	CLM140	CLM141	CLM142	CLM143	CLM144	CLM145	CLM146	CLM147	CLM148	CLM149	CLM150	CLM151	CLM152	CLM153	CLM154	CLM155	CLM156	CLM157	CLM158	CLM159	CLM160	CLM161	CLM162	CLM163	CLM164	CLM165	CLM166	CLM167	CLM168	CLM169	CLM170	CLM171	CLM172	CLM173	CLM174	CLM175	CLM176	CLM177	CLM178	CLM179	CLM180	CLM181	CLM182	CLM183	CLM184	CLM185	CLM186	CLM187	CLM188	CLM189	CLM190	CLM191	CLM192	CLM193	CLM194	CLM195	CLM196	CLM197	CLM198	CLM199	CLM200	CLM201	CLM202	CLM203	CLM204	CLM205	CLM206	CLM207	CLM208	CLM209	CLM210	CLM211	CLM212	CLM213	CLM214	CLM215	CLM216	CLM217	CLM218	CLM219	CLM220	CLM221	CLM222	CLM223	CLM224	CLM225	CLM226	CLM227	CLM228	CLM229	CLM230	CLM231	CLM232	CLM233	CLM234	CLM235	CLM236	CLM237	CLM238	CLM239	CLM240	CLM241	CLM242	CLM243	CLM244	CLM245	CLM246	CLM247	CLM248	CLM249	CLM250	CLM251	CLM252	CLM253	CLM254	CLM255	CLM256	CLM257	CLM258	CLM259	CLM260	CLM261	CLM262	CLM263	CLM264	CLM265	CLM266	CLM267	CLM268	CLM269	CLM270	CLM271	CLM272	CLM273	CLM274	CLM275	CLM276	CLM277	CLM278	CLM279	CLM280	CLM281	CLM282	CLM283	CLM284	CLM285	CLM286	CLM287	CLM288	CLM289	CLM290	CLM291	CLM292	CLM293	CLM294	CLM295	CLM296	CLM297	CLM298	CLM299	CLM300	CLM301	CLM302	CLM303	CLM304	CLM305	CLM306	CLM307	CLM308	CLM309	CLM310	CLM311	CLM312	CLM313	CLM314	CLM315	CLM316	CLM317	CLM318	CLM319	CLM320	CLM321	CLM322	CLM323	CLM324	CLM325	CLM326	CLM327	CLM328	CLM329	CLM330	CLM331	CLM332	CLM333	CLM334	CLM335	CLM336	CLM337	CLM338	CLM339	CLM340	CLM341	CLM342	CLM343	CLM344	CLM345	CLM346	CLM347	CLM348	CLM349	CLM350	CLM351	CLM352	CLM353	CLM354	CLM355	CLM356	CLM357	CLM358	CLM359	CLM360	CLM361	CLM362	CLM363	CLM364	CLM365	CLM366	CLM367	CLM368	CLM369	CLM370	CLM371	CLM372	CLM373	CLM374	CLM375	CLM376	CLM377	CLM378	CLM379	CLM380	CLM381	CLM382	CLM383	CLM384	CLM385	CLM386	CLM387	CLM388	CLM389	CLM390	CLM391	CLM392	CLM393	CLM394	CLM395	CLM396	CLM397	CLM398	CLM399	CLM400	CLM401	CLM402	CLM403	CLM404	CLM405	CLM406	CLM407	CLM408	CLM409	CLM410	CLM411	CLM412	CLM413	CLM414	CLM415	CLM416	CLM417	CLM418
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RUN NO. 23/ 0 RV/L = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

WACH	ALPHA	CLW1	CLW2	CMAC	CLM	XCFW	YCFW	CBM	CTW
1.130	-11.604	-0.1721	-0.1106	.02534	-.11584	13.08666	2.83393	-.02193	.00045
1.132	-9.285	-.01275	-.00815	.02218	-.08664	13.26548	2.81969	-.01628	.00357
1.131	-7.014	-.00791	-.00478	.01874	-.05707	13.60906	2.72312	-.01013	.00648
1.130	-4.732	-.00275	-.00129	.01510	-.02750	14.65716	2.37800	-.00587	.00919
1.135	-2.482	.00312	.00280	.01036	.00603	3.88883	6.26998	.00337	.01165
1.130	-.262	.00895	.00663	.00594	.03616	11.27012	3.65584	.01002	.01371
1.130	1.952	.01358	.01002	.00154	.06329	11.93446	3.42162	.01596	.01514
1.130	4.161	.01782	.01305	-.00234	.08904	12.17366	3.25914	.02148	.01696
1.130	6.382	.02176	.01574	-.00626	.11359	12.31213	3.23885	.02638	.01810
1.130	8.580	.02411	.01735	-.00950	.13707	12.36603	3.20972	.02931	.01893
1.129	10.772	.02369	.01676	-.00635	.12033	12.28098	3.14131	.02900	.02169
CRADITION		.00231	.00162	-.00197	.01314	.13546	-.04504	.00285	.00086

LARC 8-TFT-693 (IA43) CONFIGURATION 02/14/57

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 22/0 RIVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

MACH	ALPHA	CLWI	CLWD	CMC	CMW	XCPW	YCPW	CTW
1.200	-11.663	-.01705	-.01111	.02732	-.11108	13.21790	2.86674	-.02160
1.200	-9.335	-.01220	-.00793	.02412	-.08043	13.47394	2.86216	-.01547
1.200	-7.034	-.00987	-.00425	.01866	-.04935	13.84537	2.74329	-.00806
1.201	-4.745	-.00104	-.00016	.01216	-.01657	15.53332	2.02902	-.00171
1.200	-2.504	.00465	.00387	.00659	.01469	9.92023	4.40597	.00525
1.200	-.249	.01001	.00756	.02204	.04615	11.84010	3.47313	.01189
1.201	1.952	.01439	.01061	-.00116	.07120	12.12736	3.33446	.01729
1.201	4.169	.01833	.01330	-.00426	.09474	12.26349	3.25353	.01609
1.200	6.396	.02183	.01970	-.00756	.11546	12.36089	3.21227	.02653
1.200	8.584	.02473	.01768	-.01032	.13222	12.42058	3.19106	.03008
1.200	10.810	.02512	.01775	-.00996	.13881	12.39067	3.13630	.03077
	GRADIENT	.00218	.00151	-.01182	.01253	-.19547	-.06224	.00269

LARC 8-TFT-693 (IA43) CONFIGURATION 02/14/57

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 32/0 RIVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

MACH	BETA	CLWI	CLWD	CMC	CMW	XCPW	YCPW	CTW
.601	-10.346	.00191	.00205	.00595	-.00264	22.76351	-5.34330	.00180
.601	-8.280	.00257	.00250	.00621	.00132	-9.70111	19.69932	.00632
.599	-6.214	.00276	.00259	.00670	.00320	2.11498	9.51512	.00289
.600	-4.152	.00290	.00280	.00738	.00188	-6.53369	15.86301	.00298
.601	-2.087	.00289	.00287	.00825	.00338	-91.93410	73.30122	.00291
.600	-.027	.00262	.00282	.00981	-.00377	24.41465	-5.07333	.00247
.600	2.030	.00276	.00303	.01113	-.00509	22.44140	-3.64221	.00255
.600	4.032	.00325	.00350	.01186	-.00471	24.00880	-5.02360	.00306
.599	6.156	.00390	.00408	.01180	-.00188	41.79375	-18.35125	.00390
.599	8.233	.00465	.00462	.01242	.00357	-92.31218	78.52284	.00467
.599	10.288	.00544	.00524	.01313	.00377	-4.49922	14.96787	.00559
	GRADIENT	.00003	.00008	.00037	-.00090	8.51275	-5.75844	-.00001

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 112

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/37

(RHCK07) (14 FEB 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUM NO. 31/ 0 RVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CLWI	CLWD	CMAG	CMW	XCPW	YCPW	CBW	CTW
.900	-10.647	.00347	.00260	.00231	.01639	11.38068	3.42478	.00414	.00583
.899	-8.324	.00431	.00319	.00253	.02110	11.48056	3.35502	.00517	.00706
.900	-6.398	.00518	.00382	.00211	.02562	11.65893	3.33543	.00622	.00761
.899	-4.268	.00603	.00442	.00180	.03032	11.76817	3.30386	.00726	.00831
.900	-2.159	.00647	.00478	.00283	.03183	11.62737	3.34517	.00777	.00967
.899	-.039	.00625	.00482	.00593	.02593	10.93584	3.61482	.00735	.01177
.899	2.096	.00674	.00523	.00962	.02931	10.47530	3.61780	.00792	.01585
.899	4.203	.00721	.00559	.01190	.03051	10.19828	3.63459	.00845	.01846
.899	6.333	.00763	.00591	.01292	.03240	10.15645	3.64735	.00895	.01988
.899	8.456	.00819	.00633	.01379	.03500	10.21073	3.59627	.00964	.02144
.899	10.586	.00874	.00667	.01500	.03899	10.22331	3.54101	.01033	.02338
	GRADIENT	.01312	.00313	.00127	-.00012	-.20256	.04595	.00312	.00125

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUM NO. 33/ 0 RVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CLWI	CLWD	CMAG	CMW	XCPW	YCPW	CBW	CTW
.980	-10.749	.00162	.00152	.00929	.00188	-11.36847	9.49756	.00170	.00969
.981	-8.609	.00248	.00214	.00934	.00640	5.12514	5.06867	.00274	.01072
.983	-6.439	.00327	.00267	.00915	.01130	8.20574	4.15159	.00373	.01158
.981	-4.310	.00366	.00313	.00860	.01375	9.08026	4.07086	.00442	.01155
.983	-2.162	.00439	.00360	.00903	.01488	9.16860	4.20478	.00500	.01223
.900	-.040	.00550	.00445	.00982	.01978	9.69243	4.04621	.00631	.01407
.980	2.099	.00740	.00581	.00971	.02995	10.51055	3.75578	.00862	.01614
.980	4.230	.00917	.00705	.00936	.03993	10.93703	3.59236	.01080	.01794
.980	6.366	.01061	.00808	.00908	.04765	11.14529	3.52682	.01255	.01932
.980	8.529	.01161	.00876	.00999	.05368	11.16638	3.46714	.01380	.02152
.980	10.673	.01235	.00933	.01060	.05588	11.16521	3.47496	.01467	.02282
	GRADIENT	.00064	.00047	.00010	.00316	.23684	-.06585	.00077	.00078

TABULATED SOURCE DATA - LARC 693 (1A43)

DATE 04 APR 75

GRHCK07 (14 FEB 75)

LARC 6-TFT-693 (1A43) CONFIGURATION 02/14/57

REFERENCE DATA

SHEF = 2893.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 1293.3000 INCHES YMRP = .0000 IN. YT
BREF = 1293.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

ALPHA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDRK = .000 BDFLAP = .000

RUN NO. 29/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CLM	CLMO	CMAC	CM	XCFM	YCFM	CBM	CTM
1.120	-10.57	.00102	.00114	.01436	-.00226	42.21368	-2.78575	.00093	.01387
1.131	-8.661	.00243	.00217	.01439	.00490	-1.90180	6.08914	.00263	.01544
1.130	-6.489	.00407	.00325	.01312	.01544	8.01668	3.90961	.00470	.01644
1.130	-4.335	.00560	.00445	.01069	.02166	9.70673	3.86294	.00648	.01534
1.130	-2.164	.00705	.00559	.00902	.02750	10.49261	3.84265	.00817	.01493
1.130	-.040	.00860	.00672	.00714	.03541	11.09262	3.71618	.01004	.01475
1.130	2.114	.01048	.00796	.00484	.04746	11.56584	3.50944	.01241	.01504
1.130	4.250	.01227	.00922	.00245	.05745	11.84751	3.44191	.01461	.01479
1.129	6.413	.01382	.01027	-.00225	.06686	12.06775	3.37727	.01654	.01411
1.130	8.572	.01517	.01119	-.00261	.07496	12.21531	3.30679	.01822	.01349
1.130	10.756	.01627	.01196	-.00434	.08118	12.30384	3.31858	.01957	.01310
GRADIENT		.00078	.00356	-.00096	.00427	.24974	-.05478	.00296	-.00205

RUN NO. 28/ 0 RVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CLM	CLMO	CMAC	CM	XCFM	YCFM	CBM	CTM
1.200	-10.871	.00197	.00190	.01413	.00132	-38.83466	15.43675	.00202	.01441
1.200	-8.688	.00384	.00320	.01319	.01205	6.85474	4.42510	.00433	.01578
1.200	-6.504	.00573	.00451	.01042	.02298	9.89697	3.77698	.00667	.01536
1.200	-4.341	.00721	.00563	.00764	.02978	10.83107	3.71063	.00842	.01403
1.200	-2.166	.00848	.00653	.00539	.03673	11.53322	3.60392	.00998	.01328
1.200	-.048	.00999	.00764	.00295	.04426	11.73356	3.55336	.01179	.01246
1.201	2.110	.01157	.00872	.00072	.05368	11.98632	3.46016	.01376	.01225
1.200	4.261	.01282	.00992	-.00165	.06216	12.17624	3.37324	.01535	.01170
1.200	6.423	.01392	.01024	-.00408	.06931	12.32948	3.32239	.01674	.01081
1.200	8.610	.01487	.01092	-.00592	.07440	12.42780	3.31342	.01790	.01006
1.200	10.785	.01568	.01148	-.00666	.07911	12.44975	3.29789	.01880	.01033
GRADIENT		.00067	.00346	-.00108	.00380	.15453	-.03808	.00082	-.00026

ORIGINAL PAGE IS
OF POOR QUALITY

LARC 8-TPT-693 (1A43) CONFIGURATION 02/14/81

(RMCH08) (14 FEB 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 SREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 36/ 0 RVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWD	CMAC	CMW	XCFW	YCFW	CBW	CTW
.600	-10.644	-.01490	-.01002	.01087	-.09192	12.61150	2.95970	-.01864	-.00668
.600	-8.536	-.01392	-.00759	.00945	-.11923	12.42633	2.53489	-.01877	-.01616
.600	-6.417	-.00930	-.00504	.00875	-.08024	12.56778	2.52696	-.01257	-.00849
.600	-4.342	-.00565	-.00263	.00852	-.05688	12.76117	2.37168	-.00797	-.00370
.599	-2.246	-.00237	-.00020	.00849	-.04087	13.03526	1.98443	-.00403	-.00029
.601	-.163	.00112	.00214	.00907	-.01921	14.29156	.89524	.00034	.00494
.599	1.927	.03474	.00463	.00933	.00207	-8.64368	22.87042	.00482	.00948
.600	4.023	.00864	.00741	.00894	.02317	10.21779	4.93453	.00958	.01392
.600	6.104	.01265	.01022	.00845	.04536	11.17701	4.02155	.01453	.01832
.600	8.206	.01673	.01308	.00701	.06875	11.56586	3.72071	.01953	.02178
.600	10.301	.02100	.01621	.00521	.09022	11.77581	3.62153	.02467	.02459
GRADIENT		.00171	.00119	.00037	.00971	-1.27922	1.24315	.00210	.00215

RUN NO. 35/ 0 RVL = 3.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWD	CMAC	CMW	XCFW	YCFW	CBW	CTW
.901	-11.244	-.01433	-.01090	.01463	-.06404	13.13470	3.53289	-.01691	.00087
.899	-9.317	-.01293	-.00851	.01138	-.10209	12.57928	2.71942	-.01809	-.01055
.900	-6.812	-.01339	-.00594	.00948	-.14032	12.37077	2.33511	-.01910	-.02067
.899	-4.611	-.01286	-.00331	.00852	-.17988	12.27489	2.11096	-.02018	-.03012
.899	-2.417	-.01194	-.00007	.00741	-.22357	12.20737	1.94153	-.02104	-.04062
.901	-.252	.00357	.00302	.00727	.01036	8.71793	4.66923	.00399	.00950
.900	1.932	.00779	.00587	.00725	.03616	11.09681	3.45899	.00926	.01503
.900	4.101	.00802	.00744	.00772	.01092	8.69469	8.31776	.00846	.01007
.900	6.254	.00840	.00955	.00666	-.02185	13.49730	-2.15984	.00751	.00197
.900	8.443	.00896	.01149	.00416	-.04765	12.46449	-.31989	.00702	-.00608
.899	10.605	.00989	.01272	.00172	-.05330	12.20321	-.29662	.00772	-.00973
GRADIENT		.00282	.00126	-.00008	.02944	-.37947	.63922	.00402	.00624

REFERENCE DATA

SAF = 2630.0000 54. FT.
LAF = 1290.3200 INCHES
BRF = 1290.3200 INCHES
SCALE = .0100

Run ID:	34/ 0	RV/L = 4.21	GRADIENT INTERVAL = -3.00/ 3.00

[illegible]

0-33 0

max = 1.28 GRADIENT INTERVAL = -5.00/ 5.00

MAOI	ALPHA	CLM1	CLM2	CM4E	CMW	XCFW	YCFW	CBW	CTW
1.200	-11.748	-0.01903	-0.01249	-0.03075	-0.12318	13.23325	2.88834	-.02404	.00429
1.200	-9.404	-0.01417	-0.00928	-.02716	-.09210	13.45011	2.86235	-.01792	.00737
1.200	-7.084	-0.00900	-0.00371	-.02156	-.06197	13.70195	2.80170	-.01132	.00825
1.200	-4.812	-0.00343	-0.00177	-.01495	-.03127	14.32026	2.46885	-.00470	.00825
1.200	-2.553	-.00238	-.00034	-.00834	-.00000	12.01040	1.46359	-.00238	.00834
1.200	-.319	-.00779	-.00616	-.02282	-.03070	11.61388	3.81797	.00904	.00942
1.200	1.928	-.01256	-.00945	-.00116	-.05858	12.14402	3.44969	.01494	.01142
1.200	4.117	-.01238	-.01679	-.00433	-.08306	12.29751	3.33465	.02017	.01351
1.200	6.340	-.02069	-.01502	-.00779	-.10680	12.39634	3.25596	.02504	.01515
1.200	8.565	-.02590	-.01718	-.01089	-.12469	12.46458	3.22918	.02888	.01590
1.200	10.793	-.02875	-.01847	-.01248	-.13712	12.48214	3.20029	.03135	.01698
GRADIENT		.00227	.00159	-.00215	-.01287	-.17620	.16659	.00279	.00641

PARAMETRIC DATA

BETA =	.000	ELV-LO =	.000
ELV-LI =	.000	ELV-RI =	.000
ELV-RO =	.000	RUDDER =	.000
SPDRK =	.000	BOFLAP =	.000

DATE 34 APR 73

TABULATED SOURCE DATA - LARC 693 (1A43)

PAGE 110

(RHCMD9) (14 FEB 72

LARC 8-TFT-693 (1A43) CONFIGURATION 02/12/37

REFERENCE DATA

SREF = 2690.0000 50. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0120

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAF = .000

RUN NO. 39/ 0 RM/L = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLWI	CLWO	CMAC	CMW	XCFW	YCFW	CBW	CTW
.599	-10.618	-.01516	-.00922	.01154	-.11188	12.53974	2.71050	-.01971	-.01250
.603	-8.505	-.01149	-.00678	.01001	-.08871	12.58574	2.65446	-.01510	-.00905
.607	-6.385	-.00785	-.00416	.00914	-.06950	12.67440	2.49924	-.01068	-.00579
.611	-4.299	-.00441	-.00181	.00870	-.04897	12.83551	2.28480	-.00640	-.00182
.615	-2.207	-.00104	.00054	.00851	-.02976	13.40774	1.76864	-.00225	.00212
.619	-.113	.00229	.00289	.00849	-.01130	15.61697	-.45673	.00183	.00605
.623	1.950	.00601	.00549	.00832	.00979	8.01658	7.18894	.00641	.01042
.627	4.041	.00978	.00813	.00819	.03108	10.79875	4.38893	.01105	.01487
.631	6.140	.01371	.01095	.00753	.05198	11.36225	3.91158	.01583	.01870
.635	8.245	.01783	.01386	.00636	.07478	11.64516	3.67477	.02087	.02242
.639	10.343	.02183	.01578	.00478	.09512	11.81140	3.59102	.02570	.02521
.643	GRADIENT	.02170	.00119	-.00006	.00959	-.45802	.46031	.00209	.00200

RUN NO. 38/ 0 RM/L = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLWI	CLWO	CMAC	CMW	XCFW	YCFW	CBW	CTW
.901	-11.211	-.01582	-.00397	.01508	-.11019	12.69981	2.78614	-.02031	-.00859
.905	-8.953	-.01171	-.00733	.01169	-.08250	12.72280	2.77084	-.01507	-.00603
.909	-6.745	-.00723	-.00438	.00930	-.05368	12.87259	2.70287	-.00942	-.00223
.913	-4.536	-.00303	-.00149	.00772	-.02901	13.31369	2.41975	-.00421	.00149
.917	-2.355	.00165	.00174	.00590	-.00170	28.57541	-7.67587	.00158	.00554
.921	-.222	.00607	.00479	.00561	.02411	10.94517	3.79959	.00705	.01079
.925	1.950	.01024	.00757	.00547	.05029	11.53356	3.34855	.01229	.01627
.929	4.122	.01229	.00877	.00720	.06630	11.53438	3.17761	.01499	.02144
.933	6.292	.01466	.01034	.00669	.08137	11.65962	3.12890	.01797	.02417
.937	8.462	.01704	.01191	.00407	.09082	11.85000	3.09315	.02097	.02483
.941	10.650	.01918	.01332	.00142	.11037	11.98892	3.06898	.02367	.02513
.945	GRADIENT	.00181	.00122	-.00007	.01122	-.94674	.57603	.00227	.00234

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

LARC 8-TFT-693 (IA43) CONFIGURATION 02/12/37

(RHCM09) (14 FEB 75)

REFERENCE DATA

SREF = 2690.0000 36. FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 37/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

WACH	ALPHA	CLWI	CLVO	CMAC	CMW	XCPW	YCPW	CBW	CTW
1.130	-11.629	-0.1736	-0.1103	.02516	-.11923	13.05196	2.80314	-.02221	-.00045
1.130	-9.315	-0.1276	-.00803	.02187	-.08909	13.21555	2.78285	-.01639	-.00273
1.130	-7.022	-.00795	-.00472	.01856	-.06084	13.49850	2.66531	-.01043	-.00349
1.130	-4.742	-.00274	-.00112	.01482	-.03051	14.35609	2.28241	-.00396	-.00826
1.130	-2.504	-.00301	.00293	.01035	.00151	-20.56319	20.15223	.00307	.01067
1.130	-.282	.00854	.00681	.00571	.03258	11.21798	3.89618	.00987	.01271
1.129	1.953	.01342	.01021	.00173	.06046	11.91414	3.52036	.01598	.01472
1.129	4.129	.01787	.01326	-.03231	.08683	12.17631	3.36901	.02140	.01634
1.129	6.350	.02177	.01594	-.00637	.10981	12.32543	3.29829	.02624	.01722
1.129	8.592	.02418	.01756	-.00845	.12469	12.57177	3.25772	.02926	.01834
1.129	10.737	.02586	.01733	-.00676	.12864	12.29950	3.17857	.02910	.02008
	GRADIENT	.00233	.00162	-.00193	.01323	1.26237	-.64914	.00286	.00091

(RHCM10) (14 FEB 75)

LARC 8-TFT-693 (IA43) CONFIGURATION 02/14/37

REFERENCE DATA

SREF = 2690.0000 36. FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

RUN NO. 43/ 0 RIVL = 3.97 GRADIENT INTERVAL = -5.00/ 5.00

WACH	ALPHA	CLWI	CLVO	CMAC	CMW	XCPW	YCPW	CBW	CTW
.900	-11.136	-.01244	-.00812	.00085	-.08137	12.09960	2.87334	-.01575	-.01663
.899	-8.901	-.00868	-.00575	-.00078	-.05895	11.98718	2.85217	-.01123	-.01345
.900	-6.711	-.00495	-.00315	-.00155	-.03380	11.83293	2.80868	-.00633	-.00863
.899	-4.516	-.00368	-.00337	-.00219	-.00961	10.96753	2.29939	-.00127	-.00425
.899	-2.319	.00349	.00266	-.00248	.01563	12.80321	3.53236	.00413	.00086
.899	-.168	.00799	.00576	-.00265	.04200	12.34956	3.22311	.00970	.00637
.900	2.013	.01216	.00851	-.00314	.06875	12.26686	3.09806	.01496	.01163
.900	4.166	.01503	.01032	-.00257	.08871	12.18755	3.02823	.01864	.01649
.900	6.341	.01785	.01223	-.00379	.10585	12.22000	3.02080	.02216	.01895
.899	8.529	.01981	.01349	-.00474	.11904	12.23906	3.00008	.02466	.02083
.899	10.668	.02161	.01467	-.00672	.13072	12.29409	2.98981	.02693	.02136
	GRADIENT	.00187	.00126	-.00007	.01151	.08826	-.04752	.00234	.00241

BETA = .000 ELV-LO = .000
ELV-LI = 8.000 ELV-RI = 8.000
ELV-RO = .000 RUDDER = .000
SPDRK = .000 BDFLAP = .000

TABULATED SOURCE DATA - LARC 693 (IA43)

DATE 04 APR 75

LARC 8-TPT-693 (IA43) CONFIGURATION 02/TA/57

(RINCMID) (14 FEB 75)

REFERENCE DATA

38EF = 2690.0000 30. FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

DETA = .000 ELV-LO = .0000
ELV-LI = 0.000 ELV-RI = 0.000
ELV-RO = .000 RUDDER = .000
SPDRK = .000 BDFLAP = .000

RUN NO. 42/ 0 RVL = 4.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLWT	CLWD	C44C	C44J	XCFW	YCFW	CBW	CTW
.980	-11.369	-.01497	-.00969	-.00747	-.05945	12.40564	2.05126	-.01902	-.01389
.981	-9.093	-.01066	-.00692	-.00537	-.07044	12.41195	2.65874	-.01353	-.00976
.981	-6.837	-.00616	-.00386	-.00341	-.04332	12.42374	2.77320	-.00792	-.00590
.990	-4.630	-.00189	-.00099	-.00224	-.01695	12.67741	2.48563	-.00256	-.00140
.981	-2.413	-.00242	-.00197	-.00125	-.00848	11.34977	4.11567	-.00277	-.00307
.980	-.203	-.00715	-.00530	-.00352	-.03503	12.12047	3.35564	-.00859	-.00701
.981	1.963	-.01239	-.00932	-.00325	-.06347	12.29311	3.26965	-.01497	-.01039
.980	4.184	-.01724	-.01245	-.00593	-.09022	12.36208	3.23117	-.02091	-.01345
.980	6.363	-.02072	-.01471	-.00776	-.11320	12.37548	3.15579	-.02533	-.01636
.980	8.542	-.02268	-.01589	-.00919	-.12789	12.39118	3.10239	-.02789	-.01828
.979	10.705	-.02437	-.01696	-.01083	-.13957	12.41843	3.07692	-.03205	-.01915
GRADIENT		.00219	.00154	-.00095	.01224	.01394	.02962	.00269	.00168

RUN NO. 41/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLWT	CLWD	C44C	C44J	XCFW	YCFW	CBW	CTW
1.130	-11.592	-.01576	-.01036	-.01507	-.10171	12.75350	2.89268	-.01990	-.00678
1.131	-9.275	-.01115	-.00733	-.01201	-.07195	12.84254	2.89284	-.01408	-.00345
1.130	-6.960	-.00639	-.00404	-.00884	-.04426	12.99826	2.79353	-.00819	-.00067
1.130	-4.711	-.00126	-.00051	-.00549	-.01413	13.89824	2.27676	-.00184	-.00246
1.130	-2.467	-.00472	-.00369	-.00398	.01940	11.81015	3.72019	.00351	.00515
1.130	-.236	.01022	.00754	-.00288	.05048	12.32089	3.33772	.01227	.00796
1.130	1.990	.01904	.01097	-.00550	.07605	12.45259	3.27899	.01816	.00997
1.130	4.175	.01931	.01393	-.00968	.10133	12.50356	3.22622	.02344	.01209
1.130	6.378	.02314	.01652	-.01304	.12337	12.55186	3.19817	.02816	.01346
1.130	8.566	.02626	.01878	-.01600	.14089	12.58921	3.18717	.03200	.01427
1.130	10.782	.02469	.01721	-.01316	.16289	12.49350	3.08279	.03043	.01711
GRADIENT		.00232	.00163	-.00170	.01297	-.09689	.06590	.00284	.00108

DATE 04 APR 75 TABULATED SOURCE DATA - LARC 693 (IA43)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57 (RMCH10) (14 FEB 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 40/ 0 RIVL = 4.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWD	CM46	CMW	YCPW	CBW	CTW
1.200	-11.656	-.01563	-.01044	.01735	-.09813	12.88947	2.93511	-.00375
1.201	-9.332	-.01069	-.00717	.01396	-.06630	13.04974	2.95157	-.00228
1.201	-7.003	-.00348	-.00351	.00886	-.03711	13.18375	2.82465	.00089
1.200	-4.714	.00039	.00273	.00275	-.00640	14.08890	.87087	.00137
1.200	-2.469	.00625	.00489	-.00269	.02562	12.54860	3.72669	.00281
1.200	-.235	.01149	.00933	-.00651	.05375	12.60441	3.37170	.00347
1.200	1.959	.01587	.01133	-.00921	.08174	12.58495	3.25977	.00635
1.200	4.180	.01968	.01426	-.01179	.10585	12.57884	3.20043	.01095
1.200	6.407	.02335	.01670	-.01461	.12825	12.60382	3.18746	.01230
1.200	8.592	.02610	.01861	-.01694	.14107	12.62013	3.17422	.01337
1.200	10.815	.02731	.01929	-.01750	.15106	12.62006	3.13473	.01495
	GRADIENT	.00219	.00192	-.00160	.01263	-.13476	.16956	.00111

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = .000 RUDDER = .000
 SPDERR = .000 BOFLAP = .000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 47/ 0 RIVL = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWD	CM46	CMW	YCPW	CBW	CTW
.900	-11.123	-.01040	-.00634	-.00241	-.07270	11.89261	2.78118	-.01803
.900	-8.902	-.00692	-.00428	-.00395	-.04972	11.67283	2.74483	-.00894
.901	-6.699	-.00301	-.00164	-.00457	-.02590	11.20911	2.53391	-.00406
.899	-4.520	.00006	.00097	-.00454	-.02170	-.66616	-3.42119	.00081
.899	-2.336	.00514	.00392	-.00486	.02296	13.05420	3.53648	.00608
.899	-.153	.00946	.00663	-.00457	.04934	12.48803	3.23007	.00607
.899	2.027	.01363	.00961	-.00516	.07572	12.37357	3.12742	.01111
.899	4.191	.01775	.01239	-.00663	.10296	12.36181	3.08814	.01506
.899	6.379	.02036	.01411	-.00733	.11772	12.34564	3.06131	.01796
.899	8.532	.02178	.01494	-.00804	.12883	12.34631	3.02481	.01964
.900	10.695	.02384	.01629	-.00997	.14221	12.38288	3.01158	.02058
	GRADIENT	.00194	.00131	-.00021	.01187	1.16596	.57936	.00234

PARAMETRIC DATA

BETA = .000 ELV-LC = 4.000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = 4.000 RUDDER = .000
 SPDERR = .000 BOFLAP = .000

(RMCH11) (14 FEB 75)

ORIGINAL PAGE IS
OF POOR QUALITY

LARC 8-TFT-693 (1A43) CONFIGURATION 02/14/57

(RHCMI3) (14 FEB 75

REFERENCE DATA

SREF = 2690.0000 30. FT. YMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = 4.000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = 4.000 RUDDER = .000
 SPDRIN = .000 BDFLAP = .000

RUN NO. 45/ 0 RV/L = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLWI	CLWO	CMAC	CMW	XCFW	YCFW	CBW	CTW
.981	-11.361	-.01274	-.00798	.00414	-.08966	12.26925	2.77231	-.01639	-.01512
.981	-9.085	-.00864	-.00530	.00189	-.05291	12.19265	2.72773	-.01120	-.01162
.981	-6.833	-.00397	-.00214	-.00008	-.03447	12.03898	2.52014	-.00537	-.00748
.981	-4.607	.00039	.00082	-.00126	-.00810	11.31134	.99026	-.00006	-.00000
.981	-2.336	.00478	.00386	-.00241	-.01733	12.71035	4.02510	.00549	.00131
.981	-.182	.00951	.00722	-.00407	.04502	12.47928	3.44090	.01144	.00560
.983	2.000	.01480	.01035	-.00632	.07232	12.47690	3.35300	.01775	.00906
.983	4.181	.01899	.01383	-.00829	.09719	12.45499	3.27148	.02295	.01259
.983	6.376	.02245	.01605	-.01035	.12054	12.44585	3.18574	.02736	.01585
.983	8.557	.02402	.01695	-.01131	.13316	12.45326	3.13085	.02944	.01730
.983	10.745	.02630	.01842	-.01412	.14842	12.50170	3.10107	.03234	.01777
GRADIENT		.00215	.00151	-.00083	.01210	.09378	.17772	.00264	.00177

RUN NO. 45/ 0 RV/L = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLWI	CLWO	CMAC	CMW	XCFW	YCFW	CBW	CTW
1.129	-11.559	-.01381	-.00980	.01197	-.09436	12.63228	2.81210	-.01765	-.00830
1.131	-9.282	-.00945	-.00601	.00944	-.06479	12.74176	2.80743	-.01209	-.00448
1.131	-6.963	-.00453	-.00260	.00624	-.03635	12.86502	2.60854	-.00601	-.00157
1.131	-4.735	.00052	.00090	.00274	-.00716	13.86765	.76078	.00023	.00120
1.131	-2.459	.00655	.00520	-.00172	.02562	12.36881	3.64004	.00760	.00378
1.133	-.226	.01204	.00903	-.00343	.05669	12.90475	3.43050	.01435	.00675
1.131	1.980	.01673	.01227	-.00871	.08344	12.54563	3.31600	.02010	.00922
1.131	4.188	.02097	.01517	-.01174	.10924	12.56025	3.23930	.02542	.01173
1.133	6.419	.02449	.01761	-.01470	.12959	12.58861	3.21149	.02977	.01314
1.131	8.602	.02626	.01870	-.01587	.14239	12.57917	3.16869	.03206	.01472
1.133	10.802	.02839	.01853	-.01535	.14834	12.54230	3.11099	.03242	.01645
GRADIENT		.00230	.00160	-.00162	.01308	-.11016	.20041	.00263	.00119

DATE 04 APR 75 TABULATED SOURCE DATA - LARC 693 (IA43)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57 (RMCM11) (14 FEB 75)

REFERENCE DATA
 SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 44/ 0 RIVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLWI	CLWO	CM46	CMW	XCPW	YCPW	CBW	CTW
1.200	-11.642	-.01394	-.00907	.01416	-.09173	12.78295	2.86478	-.01767	-.00555
1.202	-9.312	-.00895	-.00580	.01055	-.05933	12.89428	2.85426	-.01137	-.00220
1.200	-7.015	-.00379	-.00218	.00641	-.03032	13.05363	2.61596	-.00502	-.00010
1.200	-4.718	-.00207	.00198	-.00010	.00170	12.33009	12.87921	.00214	.00026
1.200	-2.458	.00788	.00608	-.00475	.03390	12.71522	3.61837	.00926	.00253
1.200	-.227	.01299	.00964	-.00875	.06310	12.70842	3.36964	.01556	.00481
1.201	1.990	.01727	.01256	-.01130	.08871	12.65478	3.26473	.02098	.00776
1.201	4.189	.02118	.01525	-.01373	.11169	12.63366	3.21749	.02573	.01026
1.201	6.403	.02455	.01761	-.01641	.13072	12.64606	3.20048	.02987	.01167
1.201	8.611	.02725	.01946	-.01876	.14673	12.65707	3.18089	.03322	.01276
1.201	10.844	.02822	.02002	-.01906	.15445	12.63594	3.15274	.03451	.01412
1.200	GRADIENT	.00214	.00148	-.00152	.01235	.02474	-.88775	.00264	.00113

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57 (RMCM12) (14 FEB 75)

REFERENCE DATA
 SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 51/ 0 RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLWI	CLWO	CM46	CMW	XCPW	YCPW	CBW	CTW
1.200	-11.131	-.00946	-.00572	-.00463	-.07044	11.73793	2.69918	-.01233	-.01876
1.202	-8.904	-.00592	-.00345	-.00621	-.05322	11.41622	2.63321	-.00781	-.01620
1.200	-6.707	-.00287	-.00153	-.00554	-.02324	11.00781	2.50641	-.00390	-.01096
1.201	-4.312	.00109	.00115	-.00566	-.00113	-11.72979	-7.59299	.00104	-.00590
1.200	-2.332	.00535	.00414	-.00584	.02279	13.26666	3.64011	.00628	-.00094
1.200	-.135	.01046	.00762	-.00685	.05349	12.65802	3.27291	.01264	.00464
1.200	2.031	.01554	.01114	-.00877	.08287	12.53245	3.19767	.01891	.00903
1.200	4.201	.01949	.01382	-.01024	.10680	12.50526	3.15071	.02384	.01270
1.200	6.377	.02202	.01541	-.01064	.12450	12.45577	3.09796	.02709	.01611
1.200	8.527	.02328	.01614	-.01111	.13448	12.44225	3.06275	.02875	.01778
1.200	10.691	.02519	.01739	-.01338	.14691	12.48242	3.04732	.03117	.01818
1.200	GRADIENT	.00216	.00148	-.00033	.01266	2.19417	.96693	.00267	.00217

ORIGINAL PAGE IS
 OF POOR QUALITY

LARC 8-TFT-693 (IA43) CONFIGURATION 02/14/57

(RHCM12) (14 FEB 75

REFERENCE DATA

REF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = 8.000
 ELV-LJ = 8.000 ELV-RI = 8.000
 ELV-RO = 8.000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 50/ 0 RWL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

NACH	ALPHA	CLWT	CLWD	CMAC	CMW	XCPC	YCPW	CBW	CTW
.981	-11.357	-.01119	-.00666	.00041	-.08532	12.07282	2.66973	-.01466	-.01752
.981	-9.083	-.00702	-.00393	-.00188	-.05820	11.89663	2.57109	-.00939	-.01438
.981	-6.837	-.00263	-.00199	-.00351	-.03089	11.51048	2.23880	-.00389	-.01015
.981	-4.607	-.00198	.00214	-.00486	-.00301	4.39299	-4.71279	.00186	-.00551
.981	-2.395	.00634	.00515	-.00601	.02241	13.32312	4.09078	.00725	-.00119
.981	-.201	-.01134	.00863	-.00773	.05104	12.76904	3.52225	.01342	.00324
.981	1.987	.01604	.01199	-.00973	.07628	12.55936	3.41085	.01915	.00660
.981	4.183	.02356	.01508	-.01164	.10322	12.58545	3.30708	.02476	.01053
.981	6.369	.02366	.01700	-.01333	.12544	12.55454	3.20799	.02877	.01362
.980	8.567	.02526	.01791	-.01465	.13844	12.55245	3.15039	.03090	.01509
.983	10.735	.02776	.01957	-.01737	.15426	12.58464	3.12690	.03404	.01577
GRADIENT		.00213	.00149	-.00079	.01213	.71733	.70286	.00263	.00182

RUN NO. 49/ 0 RWL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

NACH	ALPHA	CLWT	CLWD	CMAC	CMW	XCPC	YCPW	CBW	CTW
1.131	-11.578	-.01251	-.00775	.00888	-.08966	12.52027	2.74828	-.01616	-.01038
1.130	-9.254	-.00807	-.00485	.00599	-.06065	12.51894	2.68764	-.01054	-.00704
1.130	-6.971	-.00318	-.00148	.00261	-.03202	12.43702	2.37154	-.00448	-.00427
1.130	-4.631	.00209	.00220	-.00034	-.00207	9.89584	-8.00741	.00201	-.00139
1.130	-2.453	.00806	.00637	-.00505	.03183	12.80326	3.81304	.00936	.00179
1.130	-.224	.01322	.01003	-.00846	.06003	12.71853	3.50221	.01567	.00445
1.131	1.983	.01777	.01313	-.01144	.08759	12.67151	3.34583	.02133	.00734
1.131	4.187	.02186	.01592	-.01431	.11188	12.65729	3.27143	.02641	.00973
1.130	6.401	.02524	.01821	-.01750	.13241	12.65959	3.22577	.03063	.01145
1.129	8.603	.02672	.01906	-.01765	.14428	12.63084	3.17601	.03259	.01334
1.130	10.798	.02713	.01914	-.01766	.15043	12.60717	3.12988	.03326	.01467
GRADIENT		.00222	.00154	-.00149	.01278	.24373	.99853	.00274	.00125

DATE 24 APR 75

TABULATED SOURCE DATA - LARC 693 (1A43)

PAGE 123

LARC 8-TFT-693 (1A43) CONFIGURATION 02/TA/57

(RMCH12) (14 FEB 75)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = 8.000
 ELV-LI = 8.000 ELV-RI = 8.000
 ELV-RO = 8.000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 48/ 0 RIVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWD	CW45	CW	XCPW	YCPW	CBW	CTW
1.201	-11.647	-.01277	-.00811	-.01187	-.06777	12.69211	2.80407	-.01634	-.00657
1.201	-9.314	-.00768	-.00473	-.00831	-.05556	12.76010	2.73597	-.00894	-.00363
1.200	-7.006	-.00246	-.00108	-.00307	-.02599	12.61079	2.32779	-.00332	-.00231
1.200	-4.735	-.00321	-.00294	-.00255	-.00509	14.43078	7.35365	-.00342	-.00146
1.200	-2.466	-.00881	-.00586	-.00714	-.03673	12.97301	3.88808	-.01031	-.00073
1.200	-.225	-.01396	-.01042	-.01077	-.06668	12.81693	3.40240	-.01667	-.00333
1.200	1.985	-.01810	-.01321	-.01300	-.09210	12.72016	3.28202	-.02185	-.00679
1.200	4.182	-.02201	-.01587	-.01559	-.11565	12.69006	3.22397	-.02672	-.00923
1.200	6.408	-.02525	-.01810	-.01804	-.13467	12.68602	3.19750	-.03073	-.01089
1.200	8.613	-.02756	-.01964	-.01978	-.14917	12.67957	3.17180	-.03363	-.01227
1.200	10.837	-.02812	-.01987	-.01963	-.15539	12.64980	3.13634	-.03445	-.01375
GRADIENT		-.00211	-.00145	-.00143	-.01241	-.16833	-.39077	-.00261	-.00123

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

LARC 8-TFT-693 (1A43) CONFIGURATION 02/TA/57

(RMCH13) (14 FEB 75)

PARAMETRIC DATA

BETA = .000 ELV-LO = 8.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = 8.000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 55/ 0 RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWD	CW45	CW	XCPW	YCPW	CBW	CTW
.900	-11.147	-.00997	-.00606	-.00082	-.07365	11.99069	2.70935	-.01297	-.01674
.901	-8.922	-.00678	-.00404	-.00226	-.05161	11.84208	2.67185	-.00888	-.01335
.901	-6.750	-.00322	-.00172	-.00273	-.02825	11.59121	2.50884	-.00437	-.00880
.901	-4.514	-.00073	-.00083	-.00309	-.00245	6.05819	-1.23647	-.00060	-.00362
.900	-2.345	-.00480	-.00365	-.00335	-.02166	12.78433	3.51699	-.00568	-.00130
.901	-.177	-.00939	-.00685	-.00361	-.04784	12.40827	3.27974	-.01134	-.00667
.900	2.009	-.01433	-.01023	-.00320	-.07722	12.36971	3.17943	-.01747	-.01139
.900	4.169	-.01825	-.01295	-.00602	-.09983	12.33633	3.15370	-.02231	-.01543
.900	6.330	-.02063	-.01447	-.00527	-.11602	12.30658	3.10677	-.02535	-.01866
.901	8.506	-.02237	-.01549	-.00712	-.12959	12.31088	3.05825	-.02765	-.02072
.900	10.670	-.02404	-.01657	-.00935	-.14070	12.36552	3.04171	-.02977	-.02088
GRADIENT		-.00205	-.00142	-.00036	-.01198	-.55878	-.38854	-.00254	-.00222

LARC 8-TFT-693 (IA43) CONFIGURATION 02/14/57

(RHCN13) (14 FEB 73)

REFERENCE DATA

SRF = 2890.0000 32. FT. XMRP = 975.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 SREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0000

PARAMETRIC DATA

BETA = .000 ELV-LO = 9.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = 8.000 RUDDER = .000
 SFOBRK = .000 SDFLAP = .000

RUN NO. 54/ 0 RVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLWI	CLWO	CM46	CMW	XCFW	YCFW	CBW	CTW
.993	-11.366	-.01177	-.00690	.00509	-.09022	12.31787	2.66327	-.01544	-.01429
.991	9.083	-.00753	-.00421	.00248	-.06253	12.23830	2.56921	-.01008	-.01095
.981	-6.851	-.00288	-.00106	.00317	-.03428	12.07355	2.22824	-.00428	-.00719
.931	-4.626	.00147	.00185	-.00120	-.00716	11.25395	-.48247	.00118	-.00274
.981	-2.412	.00587	.00486	-.00246	.01902	12.60398	4.33155	.00654	.00163
.991	-1.259	.01052	.00818	-.00429	.04596	12.49321	3.60578	.01249	.00558
.980	1.475	.01563	.01171	-.00698	.07327	12.50232	3.43561	.01858	.00876
.980	4.195	.01989	.01456	-.00875	.09851	12.47174	3.33256	.02393	.01241
.980	6.351	.02299	.01658	-.00934	.12373	12.42517	3.22491	.02790	.01640
.980	8.538	.02453	.01748	-.01026	.13279	12.41586	3.17162	.02994	.01827
.980	10.712	.02553	.01882	-.01245	.14710	12.45185	3.13696	.03262	.01915
GRADIENT		.00212	.00148	-.00389	.01210	.10394	.30799	.00261	.00171

RUN NO. 53/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLWI	CLWO	CM46	CMW	XCFW	YCFW	CBW	CTW
1.129	-11.593	-.01314	-.00808	.01368	-.09531	12.75152	2.73271	-.01702	-.00679
1.131	-9.276	-.00867	-.00515	.01368	-.06530	12.81484	2.66618	-.01137	-.00356
1.130	-6.973	-.00370	-.00173	.00726	-.03711	12.97899	2.37532	-.00321	-.00071
1.130	-4.724	.00153	.00187	.00358	-.00640	14.70428	-.79655	.00127	.00220
1.130	-2.472	.00749	.00610	-.00390	.02618	12.21322	4.12100	.00856	.00472
1.133	-.243	.01260	.00967	-.00434	.05519	12.42339	3.57986	.01485	.00752
1.133	1.974	.01719	.01283	-.00760	.08212	12.48941	3.40199	.02053	.01004
1.133	4.178	.02129	.01558	-.01049	.10755	12.51311	3.29551	.02567	.01261
1.130	6.380	.02471	.01797	-.01356	.12883	12.54974	3.23783	.02995	.01412
1.129	8.575	.02636	.01887	-.01436	.14107	12.53330	3.19148	.03210	.01595
1.129	10.776	.02635	.01866	-.01346	.14503	12.49065	3.14375	.03226	.01770
GRADIENT		.00221	.00154	-.00357	.01276	-.18537	.33715	.00273	.00117

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 59/ 0 RV/L = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELV-LO = 9.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = 9.000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

MACH	ALPHA	CLMT	CLWD	CMA	CMA	YCPW	YCPW	CTW
1.200	-11.678	-0.1345	-0.0844	-0.1718	-0.09436	12.91443	2.77637	-0.03009
1.201	-9.331	-0.0834	-0.0508	-0.1363	-0.06140	13.10395	2.71353	-0.01084
1.200	-7.027	-0.0311	-0.0144	-0.0816	-0.03145	13.28173	2.36741	-0.00439
1.200	-4.744	-0.0264	-0.0261	-0.0174	-0.02357	-2.57079	45.20372	-0.0266
1.200	-2.486	-0.0823	-0.0652	-0.0280	-0.0221	12.46277	3.83474	-0.0054
1.200	-2.43	-0.1326	-0.1000	-0.0620	-0.06140	12.32942	3.46406	-0.01576
1.200	1.964	-0.1752	-0.1290	-0.0889	-0.08702	12.53507	3.32717	-0.00980
1.200	4.171	-0.2140	-0.1553	-0.1151	-0.1056	12.54429	3.25429	-0.01224
1.200	6.387	-0.2464	-0.1773	-0.1437	-0.13015	12.57423	3.21460	-0.01399
1.200	8.594	-0.2714	-0.1936	-0.1665	-0.14654	12.58948	3.17610	-0.01483
1.200	10.804	-0.2737	-0.1933	-0.1613	-0.15143	12.55573	3.13422	-0.03353
GRADIENT		-0.0210	-0.0145	-0.0146	-0.01234	1.36622	-3.80535	-0.00119

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 59/ 0 RV/L = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA = .000 ELV-LO = 4.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = 4.000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

MACH	ALPHA	CLMT	CLWD	CMA	CMA	YCPW	YCPW	CTW
.920	-11.144	-0.1157	-0.0714	-0.0258	-0.08344	12.19681	2.74012	-0.01497
.900	-8.925	-0.0808	-0.0489	-0.018	-0.06008	12.06422	2.70092	-0.01053
.920	-6.721	-0.0380	-0.0200	-0.0167	-0.03390	11.81612	2.49116	-0.00518
.900	-4.329	-0.0028	-0.0069	-0.0255	-0.00772	10.48217	1.10168	-0.00033
.920	-2.338	-0.0459	-0.0371	-0.0309	-0.01657	12.93515	4.03517	-0.00421
.900	-1.83	-0.0868	-0.0646	-0.0286	-0.04181	12.37475	3.39570	-0.00526
.900	1.988	-0.1248	-0.0891	-0.0215	-0.06724	12.20181	3.17976	-0.01038
.900	4.158	-0.1567	-0.1103	-0.0173	-0.08739	12.14399	3.12076	-0.01522
.900	6.332	-0.1832	-0.1279	-0.0264	-0.10416	12.17034	3.08878	-0.01923
.900	8.511	-0.2039	-0.1416	-0.0414	-0.11734	12.21752	3.06990	-0.02556
.900	10.682	-0.2206	-0.1525	-0.0598	-0.12827	12.27136	3.05223	-0.02517
GRADIENT		-0.0178	-0.0119	-0.0012	-0.0110	.11986	.14726	-0.00223

LARC 8-TPT-693 (1A43) CONFIGURATION 02/14/57

(RMCM14) (14 FEB 75

REFERENCE DATA

SREF = 2690.0000 50. FT. XMRP = 976.0000 IN. XT
 LREF = 1230.0000 INCHES YMRP = .0000 IN. YT
 SREF = 1230.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = 4.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = 4.000 RUDDER = .000
 SEDSRK = .000 BDFLAP = .000

RUN NO. 52/ 0 R/V/L = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

NACH	ALPHA	CLWI	CLWD	CMAC	CIAM	XCFW	YCFW	CBM	CTW
.981	-11.379	-.01393	-.00855	.00912	-.10133	12.47732	2.72892	-.01806	-.01265
.981	-9.090	-.00961	-.00579	.00638	-.07195	12.47102	2.69236	-.01254	-.00908
.981	-6.856	-.00501	-.00268	.00407	-.04389	12.49033	2.51060	-.00680	-.00536
.981	-4.634	-.00375	-.00222	.00259	-.01827	12.72309	1.82581	-.00149	-.00133
.981	-2.421	-.00363	.00321	.00123	.00791	11.31176	5.73939	.00395	.00293
.981	-.219	.00347	.00661	-.00253	.03503	12.12183	3.70589	.00990	.00700
.981	1.379	.01367	.01330	-.00354	.06347	12.31480	3.45854	.01625	.01010
.981	4.148	.01809	.01338	-.00581	.08852	12.36162	3.35432	.02168	.01321
.981	6.345	.02121	.01537	-.00660	.11020	12.33429	3.24742	.02559	.01703
.981	8.528	.02296	.01630	-.00735	.12356	12.33244	3.17427	.02789	.01919
.981	10.718	.02474	.01753	-.00929	.13580	12.37481	3.14771	.03027	.01988
GRADIENT		.00217	.00152	-.00398	.01225	.01250	.03605	.00267	.00165

RUN NO. 57/ 0 R/V/L = 4.20 GRADIENT INTERVAL = -5.00/ 5.00

NACH	ALPHA	CLWI	CLWD	CMAC	CIAM	XCFW	YCFW	CBM	CTW
1.130	-11.501	-.01490	-.00936	.01681	-.10435	12.81489	2.77880	-.01915	-.00561
1.129	-9.291	-.01053	-.00643	.01359	-.07459	12.92147	2.74609	-.01343	-.00233
1.129	-7.020	-.00559	-.00312	.01064	-.04552	13.13589	2.56677	-.00748	.00065
1.130	-4.709	-.00338	.00046	.00794	-.01582	14.16269	1.66627	-.00102	.00364
1.130	-2.469	.00552	.00464	.00242	.01657	11.35677	4.173	.00618	.00593
1.130	-.236	.01103	.00348	-.00169	.04803	12.21707	3.59237	.01299	.00863
1.129	1.959	.01566	.01174	-.00513	.07383	12.37989	3.42796	.01867	.01073
1.129	4.172	.01996	.01465	-.00838	.10001	12.44783	3.31062	.02403	.01311
1.130	6.389	.02363	.01719	-.01175	.12130	12.50993	3.26602	.02857	.01431
1.132	8.571	.02565	.01844	-.01341	.13580	12.51885	3.21047	.03118	.01576
1.130	10.770	.02539	.01801	-.01198	.13920	12.45921	3.15220	.03105	.01788
GRADIENT		.00229	.00160	-.00173	.01302	-.10919	.09792	.00282	.00107



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TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 127

LARC 8-TFT-693 (IA43) CONFIGURATION 02/TA/57

(RMCH14) (14 FEB 75)

REFERENCE DATA

SHEP = 2690.0000 50. FT. XGRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YGRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZGRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 56/ 0 RIVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLM1	CLM2	CLM3	CMG	CMW	XCFM	YCFM	CBW	CTM
1.200	-11.671	-.01301	-.00961	.01978	-.10171	12.97337	2.82361	-.01915	-.00207	
1.199	-9.336	-.01008	-.00638	.01633	-.06969	13.16257	2.79611	-.01292	.00136	
1.201	-7.037	-.00484	-.00277	.01118	-.03899	13.41149	2.61497	-.00643	.00280	
1.200	-4.747	-.00110	.00149	.00470	-.00735	15.08792	.03866	.00080	.00312	
1.201	-2.480	.00693	.00362	-.00087	.02467	12.21741	4.07206	.00793	.00443	
1.200	-.249	.01203	.00917	-.00462	.05387	12.45721	3.53309	.01422	.00695	
1.200	1.960	.01626	.01205	-.00714	.07930	12.47752	3.36199	.01949	.00990	
1.200	4.166	.02120	.01471	-.00971	.10340	12.49595	3.27108	.02441	.01250	
1.200	6.393	.02367	.01710	-.01278	.12375	12.54035	3.23294	.02871	.01380	
1.200	8.589	.02620	.01880	-.01509	.13938	12.56404	3.20201	.03187	.01485	
1.200	10.813	.02670	.01895	-.01494	.14597	12.53595	3.15458	.03264	.01642	
GRADIENT		.00214	.00148	-.00158	.01240	-.22249	.26038	.00264	.00109	

PARAMETRIC DATA

BETA = .000 ELV-LO = 4.000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = 4.000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

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OF POOR QUALITY

LARC 8-TFT-693 (IA43) CONFIGURATION 02/TA/57

(RMCH15) (14 FEB 75)

REFERENCE DATA

SHEP = 2690.0000 50. FT. XGRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YGRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZGRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 63/ 0 RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLM1	CLM2	CLM3	CMG	CMW	XCFM	YCFM	CBW	CTM
.900	-11.161	-.01298	-.00832	.00559	-.08777	12.35239	2.82648	-.01655	-.01327	
.901	-8.937	-.00925	-.00584	.00255	-.06442	12.23796	2.78779	-.01188	-.01129	
.902	-6.731	-.00494	-.00299	.00062	-.03673	12.13015	2.70113	-.00644	-.00727	
.901	-4.532	-.00173	-.00115	-.00047	-.01092	11.84573	2.06721	-.00117	-.00282	
.900	-2.345	.00353	.00280	-.00108	.01375	12.42294	3.84605	.00409	.00187	
.900	-.188	.00793	.00585	-.00154	.03916	12.23664	3.33726	.00952	.00688	
.900	1.992	.01196	.00849	-.00107	.06536	12.12773	3.15534	.01462	.01297	
.900	4.143	.01368	.00947	.00129	.07930	11.97276	3.05723	.01691	.01833	
.900	6.320	.01654	.01140	.00056	.09681	12.03234	3.04156	.02048	.02116	
.900	8.485	.01864	.01276	-.00104	.11075	12.09459	3.01778	.02315	.02275	
.900	10.656	.02019	.01360	-.00272	.12036	12.15730	3.01258	.02509	.02314	
GRADIENT		.00172	.00115	.00016	.01070	-.20176	.05980	.00215	.00246	

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

LARC 8-TPT-693 (1A43) CONFIGURATION 02/14/57

(RHCM15) (14 FEB 75)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 *SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = 4.000 ELV-RI = 4.000
 ELV-RO = .000 RUDDER = .000
 S'DERK = .000 BDFLAP = .000

RUN NO. 62/ 0 RV/L = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWD	CMAC	CN	KCFW	YCFW	CBW	CTW
.983	-11.333	-.01538	-.00975	.01206	-.10604	12.38998	2.79982	-.01970	-.01072
.991	-9.108	-.01100	-.00694	.00935	-.07647	12.63053	2.78867	-.01411	-.00708
.981	-6.865	-.00643	-.00384	.00714	-.04878	12.74493	2.67591	-.00842	-.00334
.981	-4.633	-.00225	-.00104	.00587	-.02279	13.27291	2.36603	-.00318	-.00097
.981	-2.433	.00213	.00195	.00466	.00339	5.52386	7.32602	.00227	.00059
.981	-.226	.00687	.00529	.00299	.02976	11.57296	3.60361	.00808	.00938
.983	1.942	.01223	.00309	-.00053	.05914	12.09255	3.37824	.01464	.01218
.983	4.143	.01651	.01219	-.00269	.08325	12.20342	3.31011	.02000	.01519
.983	6.379	.02137	.01456	-.00432	.10566	12.24412	3.22041	.02437	.01839
.983	8.523	.02158	.01533	-.00481	.11772	12.24400	3.15838	.02637	.02048
.983	10.709	.02343	.01648	-.00554	.13090	12.28721	3.11781	.02876	.02158
GRADIENT		.00219	.00153	-.00102	.01221	.23167	-.09370	.00268	.00161

RJA NO. 61/ 0 RV/L = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWD	CMAC	CN	KCFW	YCFW	CBW	CTW
1.130	-11.611	-.01617	-.01044	.01982	-.10793	12.92195	2.84468	-.02056	-.01337
1.131	-9.331	-.01164	-.00749	.01693	-.07817	13.07230	2.83614	-.01482	-.00904
1.133	-7.009	-.00682	-.00415	.01354	-.05029	13.32835	2.71156	-.00887	-.00274
1.133	-4.741	-.00171	-.00064	.01004	-.02015	14.41534	2.23605	-.00253	-.000571
1.133	-2.487	.00417	.00353	.00552	.01705	9.87579	4.68152	.00466	.00811
1.129	-.235	.00971	.00743	.00108	.04544	11.93059	3.55919	.01146	.01031
1.130	1.952	.01455	.01381	-.00270	.07053	12.23150	3.37215	.01744	.01247
1.130	4.151	.01869	.01371	-.00604	.09290	12.35574	3.30767	.02251	.01411
1.129	6.374	.02265	.01640	-.00981	.11791	12.44504	3.24143	.02746	.01552
1.129	8.563	.02499	.01794	-.01182	.13279	12.47264	3.20407	.03040	.01671
1.129	10.763	.02442	.01724	-.00995	.13524	12.39933	3.13267	.02993	.01910
GRADIENT		.00230	.00162	-.00182	.01289	-.08097	.03839	.00283	.00095

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57

(RMCM15) (14 FEB 75)

REFERENCE DATA

SREF = 2630.0000 30. FT. YMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 60/ 0 RIVL = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWD	CMAC	CMW	YCPW	YCFW	CBW	CTW	BETA	ELV-LO	ELV-LI	ELV-RI	ELV-RO	RUDDER	BDCLAP
1.201	-11.685	-0.1612	-0.01049	.02235	-.10604	13.05072	2.86519	-.02044	-.03043	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.200	-9.351	-.01114	-.00727	.01905	-.07289	13.29087	2.87281	-.01411	-.00339	4.0000	4.0000	4.0000	4.0000	.0000	.0000	.0000
1.200	-7.043	-.00390	-.00365	.01377	-.04238	13.59275	2.74533	-.00763	.00467	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.201	-4.757	-.00311	.00250	.00744	-.01149	15.12458	1.53098	-.00058	.00497	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.200	-2.498	.00570	.00460	.00177	.02072	11.64438	4.01822	.00654	.00622	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.200	-.258	.01096	.00823	-.00229	.05142	12.26145	3.43779	.01305	.00876	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.200	1.964	.01533	.01128	-.00502	.07628	12.36246	3.32367	.01844	.01137	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.200	4.156	.01914	.01392	-.00762	.09832	12.41798	3.26473	.02314	.01350	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.200	6.387	.02274	.01638	-.01081	.11979	12.47846	3.21958	.02762	.01492	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.201	8.582	.02535	.01813	-.01326	.13599	12.51297	3.18736	.03089	.01595	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1.200	10.807	.02639	.01869	-.01372	.14503	12.49917	3.14568	.03229	.01744	.0000	.0000	.0000	.0000	.0000	.0000	.0000
GRADIENT		.00216	.00190	-.00166	.01235	-.21201	.12537	.00266	.00100							

REFERENCE DATA

SREF = 2680.0000 30. FT. YMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 68/ 0 RIVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWD	CMAC	CMW	YCPW	YCFW	CBW	CTW	BETA	ELV-LO	ELV-LI	ELV-RI	ELV-RO	RUDDER	BDCLAP
.600	-10.697	.00012	-.00923	.01284	.17611	11.70382	1.44768	.00729	.03067	5.0000	5.0000	.0000	.0000	.0000	.0000	.0000
.600	-8.561	.00314	-.00657	.01180	.12638	11.60670	1.45168	.00328	.03895	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.600	-6.464	.00314	-.00379	.01118	.07402	11.33288	1.45902	.00315	.02708	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.600	-4.348	.00314	-.00110	.01089	.02336	9.83615	1.49745	.00109	.01591	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.598	-2.269	.00012	.00140	.01034	-.02411	14.12574	1.39468	-.00286	.00536	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.600	-.173	.00014	.00411	.01074	-.07478	12.73196	1.42376	-.00290	.00532	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.598	1.919	.00010	.00706	.01024	-.13109	12.41364	1.43415	-.00324	.00512	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.600	4.056	.00012	.01012	.00930	-.18835	12.28948	1.43533	-.00755	.00506	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.600	6.155	.00018	.01302	.00914	-.24184	12.22944	1.43433	-.00966	.00482	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.599	8.238	.00012	.01618	.00803	-.30249	12.17804	1.43758	-.01219	.00473	.0000	.0000	.0000	.0000	.0000	.0000	.0000
.599	10.369	.00012	.01949	.00608	-.36484	12.12913	1.43822	-.01473	.00401	.0000	.0000	.0000	.0000	.0000	.0000	.0000
GRADIENT		-.00000	.00134	-.00216	-.02527	.15294	-.00401	-.00103	.00556							

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57

(RMCM16) (14 FEB 75)

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 130

LARC 8-TPT-693 (IA43) CONFIGURATION 02/7/67

(R-CH16) (14 FEB 75)

REFERENCE DATA

94EF = 2890.0000 94.FT. 94RP = 976.0000 IN. XT
 14EF = 1290.3000 INCHES 14RP = .0000 IN. YT
 84EF = 1290.3000 INCHES 84RP = 400.0000 IN. ZT
 SCALE = .0100

RUN NO. 67/ 0 RIWL = 3.96 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

MACH	ALPHA	CLWT	CLWD	CMAC	CMW	XCFW	YCFW	CBW	CTW	BETA =	5.000	ELV-LO =	.000
.899	-11.260	.00010	-.00961	.01736	.18289	11.59311	1.44642	.00754	.05665	ELV-LI =	.000	ELV-RI =	.000
.899	-9.039	.00010	-.00687	.01509	.13128	11.50424	1.44843	.00544	.04329	ELV-RO =	.000	RUDDER =	.000
.899	-6.834	.00011	-.00404	.01418	.07817	11.18867	1.45448	.00329	.03097	SPDBRK =	.000	BDFLAP =	.000
.900	-4.635	.00008	-.00208	.01250	.01224	7.20226	1.50251	.00058	.01513				
.900	-2.434	.00010	.00273	.01142	-.04954	13.14459	1.42239	-.00192	.00078				
.899	-.258	.00011	.00590	.01104	-.10906	12.53053	1.43185	-.00433	-.01239				
.900	1.926	.00010	.00845	.01049	-.15727	12.36669	1.43534	-.00630	-.02330				
.899	4.111	.00008	.01030	.01002	-.19249	12.23715	1.43741	-.00776	-.03133				
.899	6.308	.00007	.01237	.00693	-.23167	12.19203	1.43847	-.00936	-.04284				
.900	8.489	.00006	.01382	.00356	-.25917	12.11705	1.43913	-.01049	-.05202				
.899	11.662	.00008	.01493	.00151	-.27914	12.07568	1.43862	-.01128	-.05846				
	GRADIENT	.00000	.00126	-.00027	-.02357	.43157	-.00338	-.00096	-.00535				

RUN NO. 66/ 0 RIWL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLWT	CLWD	CMAC	CMW	XCFW	YCFW	CBW	CTW
.980	-11.537	.00009	-.01081	.02421	.20530	11.49010	1.44541	.00845	.05832
.982	-5.237	.00009	-.00739	.02155	.14089	11.32375	1.44728	.00583	.05182
.980	-6.956	.00010	-.00384	.01885	.07421	10.84397	1.45392	.00312	.03479
.981	-4.739	.00010	-.00110	.01614	.00377	-8.29026	1.68995	.00025	.01695
.983	-2.499	.00013	.00377	.01296	-.06912	12.94019	1.42775	-.00271	-.02189
.983	-.256	.00010	.00813	.00810	-.15125	12.30428	1.43511	-.00506	-.02439
.983	1.942	.00010	.01163	.00440	-.21717	12.14620	1.43699	-.00874	-.04225
.983	4.122	.00009	.01405	.00231	-.26294	1.03171	1.43839	-.01051	-.05418
.983	6.746	.00010	.01631	-.00011	-.30532	12.04829	1.43823	-.01233	-.06570
.980	8.534	.00003	.01702	-.00177	-.31838	12.02365	1.43855	-.01289	-.07027
.979	10.735	.00010	.01807	-.00445	-.33847	11.98758	1.43853	-.01368	-.07716
	GRADIENT	-.00000	.00163	-.00164	-.03076	1.81149	-.02241	-.00125	-.00824

DATE 24 APR 75

TABULATED SOURCE DATA - LARC 693 (1A43)

PAGE 131

LARC 8-TOT-693 (1A43) CONFIGURATION 02/74/87

(RHCMI6) (14 FEB 75)

REFERENCE DATA

SREF = 2693.0000 SQ. FT. YMRP = 976.0000 IN. Y7
 LREF = 1293.3000 INCHES YMRP = .0000 IN. Y7
 SREF = 1293.3000 INCHES YMRP = 400.0000 IN. Z7
 SCALE = .0100

PARAMETRIC DATA

BETA = 9.000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BCLAP = .000

RUN NO. 65/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWD	CMAC	CMW	XCPW	YCPW	CBW	CTW
1.130	-11.736	.00009	-.01039	.02682	.19739	11.41931	1.44557	.00813	.06863
1.131	-9.432	.00010	-.00690	.02142	.13185	11.27863	1.44840	.00547	.04974
1.131	-7.138	.00011	-.00297	.01625	.06801	10.72002	1.45906	.00247	.02871
1.130	-4.835	.00010	.00181	.01018	-.03221	13.55070	1.41222	-.00121	.00326
1.130	-2.568	.00011	.00639	.00448	-.11828	12.22983	1.43259	-.00471	-.02093
1.130	-.295	.00010	.01006	-.00016	-.18760	12.04595	1.43631	-.00754	-.04046
1.130	1.936	.00010	.01334	-.00368	-.24938	11.97993	1.43754	-.01005	-.03725
1.130	4.145	.00010	.01624	-.00686	-.30400	11.94286	1.43822	-.01228	-.07217
1.130	6.354	.00008	.01846	-.00826	-.34619	11.92300	1.43914	-.01401	-.08363
1.130	8.593	.00009	.01982	-.01059	-.36785	11.91331	1.43901	-.01488	-.08962
1.129	10.823	.00006	.02016	-.01209	-.37821	11.89822	1.43932	-.01532	-.09334
GRADIENT		-.00000	.00159	-.00188	-.03005	-.15479	.00254	-.00122	-.00834

RUN NO. 64/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWD	CMAC	CMW	XCPW	YCPW	CBW	CTW
1.200	-11.804	.00011	-.01017	.02682	.19362	11.39723	1.44662	.00799	.06822
1.201	-9.468	.00010	-.00631	.01963	.12073	11.27802	1.44906	.00501	.04557
1.199	-7.141	.00011	-.00272	.01221	.04012	10.60496	1.46698	.00174	.02083
1.200	-4.862	.00010	.00244	.00512	-.04407	12.60157	1.42005	-.00169	.00435
1.200	-2.562	.00009	.00660	-.00054	-.12262	12.02909	1.43442	-.00490	-.02688
1.200	-.309	.00010	.01016	-.00406	-.18948	11.94826	1.43636	-.00781	-.04477
1.200	1.953	.00011	.01335	-.00716	-.24938	11.91368	1.43717	-.01004	-.06073
1.200	4.142	.00011	.01602	-.01005	-.29967	11.89076	1.43786	-.01209	-.07443
1.201	6.367	.00010	.01801	-.01182	-.33734	11.88363	1.43852	-.01365	-.08429
1.200	8.612	.00011	.01954	-.01403	-.36597	11.86798	1.43948	-.01479	-.09265
1.200	10.823	.00010	.02085	-.01670	-.39083	11.84712	1.43990	-.01591	-.10068
GRADIENT		.00000	.00151	-.00164	-.02834	-.06857	.00171	-.00115	-.00773

ORIGINAL PAGE IS
 OF POOR QUALITY

(RHCMI7) (14 FEB 75)

LARC 8-TPT-693 (1A43) CONFIGURATION 02/74/37

REFERENCE DATA

SREF = 2680.0000 30. FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -5.000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 73/ 0 RVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWO	CM	YCPW	CBW
.600	-10.687	.00001	-.00002	.15125	1.44192	.00617
.600	-8.564	-.00001	-.00566	.10642	1.44042	.00432
.601	-6.466	.00001	-.00325	.06140	1.44263	.00251
.600	-4.340	.00001	-.00097	.01846	1.44637	.00076
.600	-2.266	.00001	.00112	-.02091	1.43662	-.00084
.599	-.171	.00001	.00309	-.05801	1.43969	-.00235
.600	1.929	-.00001	.00520	-.09813	1.44225	-.00400
.600	4.040	-.00003	.00751	-.14202	1.44328	-.00581
.599	6.118	.00001	.00999	-.18797	1.44080	-.00764
.599	8.246	-.00003	.01271	-.23996	1.44247	-.00980
.600	10.343	-.00001	.01528	-.28799	1.44163	-.01173
	GRADIENT	-.00000	.00100	-.01900	-.00003	-.00078

RUN NO. 72/ 0 RVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWO	CM	YCPW	CBW
.900	-11.254	.00001	-.00867	.16349	1.44187	.00667
.900	-9.027	-.00003	-.00611	.11414	1.43720	.00460
.900	-6.812	-.00008	-.00329	.06046	1.42891	.00238
.900	-4.610	-.00001	-.00065	.01205	1.43353	.00048
.900	-2.430	.00001	.00189	-.03541	1.43865	-.00143
.900	-.249	.00001	.00441	-.08287	1.44017	-.00336
.900	1.939	-.00010	.00675	-.12902	1.44856	-.00535
.901	4.130	.00002	.00883	-.16594	1.44017	-.00673
.900	6.293	-.00001	.01007	-.19003	1.44229	-.00776
.900	8.491	-.00014	.01144	-.21811	1.44731	-.00902
.900	10.668	-.00010	.01261	-.25939	1.44521	-.00985
	GRADIENT	-.00000	.00109	-.02058	-.00106	-.00084

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 893 (1A43)

PAGE 131

(RMCH06) (14 FEB 75)

LARC 8-TPT-893 (1A43) CONFIGURATION 02/14/77

REFERENCE DATA

SREF = 2000.0000 IN. FT. XREF = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YREF = .0000 IN. YT
 BREF = 1290.3000 INCHES ZREF = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 5.000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000

RUN NO. 65/ 0 RV/L = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	CLM	CLJO	CMC	CM	XCPM	YCPM	CBM	CTM
1.130	-11.736	.00009	-.01039	.02622	.19739	11.41931	1.44557	.00813	.06863
1.131	-9.432	.00010	-.00690	.02142	.13185	11.27663	1.44840	.00547	.04974
1.131	-7.108	.00011	-.00297	.01625	.05801	10.72002	1.45908	.00247	.02871
1.130	-4.835	.00010	.00181	.01018	-.03221	13.55070	1.41222	.00121	.00326
1.130	-2.968	.00011	.00639	.00446	-.11828	12.22963	1.43259	.00471	-.02093
1.130	-.295	.00010	.01035	-.00016	-.16760	12.04595	1.43631	.00794	-.04046
1.130	1.936	.00010	.01334	-.00368	-.24936	11.97993	1.43754	.01005	-.05725
1.130	4.145	.00010	.01624	-.00686	-.30400	11.94286	1.43822	.01226	-.07217
1.130	6.354	.00008	.01846	-.00926	-.34619	11.92300	1.43914	.01401	-.08363
1.130	8.593	.00009	.01962	-.01059	-.36785	11.91331	1.43901	.01468	-.08962
1.129	10.803	.00006	.02016	-.01209	-.37821	11.89822	1.43932	.01532	-.09334
GRADIENT		-.00000	.00159	-.00186	-.03005	-.15479	.00254	.00122	-.00834

RUN NO. 64/ 0 RV/L = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MACN	ALPHA	CLM	CLJO	CMC	CM	XCPM	YCPM	CBM	CTM
1.200	-11.804	.00011	-.01017	.02667	.19382	11.39723	1.44662	.00789	.06822
1.201	-9.468	.00010	-.00631	.01963	.12073	11.27802	1.44906	.00501	.04937
1.199	-7.141	.00011	-.00202	.01221	.04012	10.60496	1.46888	.00174	.02083
1.200	-4.862	.00010	.00244	.00512	-.04407	12.60157	1.42005	.00169	-.00435
1.200	-2.562	.00009	.00660	-.00054	-.12262	12.02909	1.43442	.00480	-.02688
1.200	-.309	.00010	.01016	-.00406	-.18948	11.94826	1.43636	.00761	-.04477
1.200	1.953	.00011	.01335	-.00716	-.24938	11.91368	1.43717	.01004	-.06073
1.200	4.142	.00011	.01602	-.01005	-.29967	11.89076	1.43786	.01209	-.07443
1.201	6.367	.00010	.01801	-.01182	-.33734	11.86363	1.43852	.01363	-.08429
1.200	8.612	.00011	.01954	-.01403	-.36597	11.86798	1.43848	.01479	-.09283
1.200	10.823	.00010	.02085	-.01670	-.39083	11.84712	1.43990	.01591	-.10068
GRADIENT		.00000	.00151	-.00164	-.02834	-.06837	.00171	.00115	-.00773

 ORIGINAL PAGE IS
 OF FOUR QUALITY

(RMCH17) (14 FEB 75)

LARC 8-TPT-693 (IA43) CONFIGURATION 02/74/37

REFERENCE DATA

SREF = 2690.0000 36. FT.
LREF = 1290.3000 INCHES
BREF = 1290.3000 INCHES
SCALE = .0100

PARAMETRIC DATA

BETA = -5.000
ELV-LO = .000
ELV-LI = .000
ELV-RI = .000
ELV-RO = .000
RUDDER = .000
SPDRK = .000
BDFLAP = .000

RUN NO. 75/ 0 RIVL = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLMO	CM	YCFM	CBM
.600	-10.687	.00001	-.00802	.15125	1.44192	.00617
.600	-8.564	-.00001	-.00366	.10642	1.44042	.00432
.601	-6.466	.00001	-.00325	.06140	1.44283	.00251
.600	-4.340	.00001	-.00097	.01846	1.44637	.00076
.600	-2.266	.00001	.00112	-.02091	1.43682	-.00084
.599	-.171	.00001	.00309	-.05801	1.43969	-.00235
.600	1.929	-.00001	.00320	-.09813	1.44225	-.00400
.600	4.040	-.00003	.00751	-.14202	1.44328	-.00581
.599	6.116	.00001	.00999	-.18797	1.44080	-.00764
.599	8.246	-.00003	.01271	-.23996	1.44247	-.00980
.600	10.343	-.00001	.01528	-.28799	1.44163	-.01173
	GRADIENT	-.00000	.00100	-.01900	-.00003	-.00078

RUN NO. 72/ 0 RIVL = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLMO	CM	YCFM	CBM
.900	-11.254	.00001	-.00867	.16349	1.44187	.00667
.900	-9.027	-.00005	-.00611	.11414	1.43720	.00460
.900	-6.812	-.00008	-.00329	.06046	1.42891	.00238
.900	-4.610	-.00001	-.00065	.01205	1.43353	.00048
.900	-2.430	.00001	.00189	-.03541	1.43865	-.00143
.900	-.249	.00001	.00441	-.08287	1.44017	-.00336
.900	1.939	-.00010	.00675	-.12902	1.44856	-.00535
.901	4.130	.00002	.00883	-.16594	1.44017	-.00873
.900	6.293	-.00002	.01007	-.19005	1.44229	-.00776
.900	8.491	-.00014	.01144	-.21811	1.44731	-.00902
.900	10.668	-.00010	.01261	-.25939	1.44521	-.00985
	GRADIENT	-.00000	.00109	-.02058	.00106	-.00084

LARC 0-TPT-693 (IA43) CONFIGURATION 02/14/97

(AMC 17) (14 FEB 73)

REFERENCE DATA

SALE =	2630.0000	SA.FT.	YARP =	976.0000	IN. YF
LABE =	1250.3000	INCHES	YARP =	.0000	IN. YF
BALE =	1250.3000	INCHES	ZARP =	400.0000	IN. ZF
SCALE =	.0100				

PARAMETRIC DATA

BETA	=	-5.000	ELV-LO	=	.000
ELV-LI	=	.000	ELV-RI	=	.000
ELV-RO	=	.000	RUDDER	=	.000
SPODBK	=	.000	BDFLAP	=	.000

RUN NO. 71/ 0 RVL = 4.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLWI	CLWD	CNW	YCPW	CBW
.960	-11.516	.00001	-.01046	.19720	1.44177	.00804
.980	-9.211	.00001	-.00782	.14748	1.44194	.00601
.980	-6.973	.00001	-.00486	.09173	1.44232	.00374
.980	-4.737	.00001	-.00221	.04181	1.44334	.00171
.979	-2.494	.00002	.00032	-.00565	1.40815	-.00021
.979	-.273	-.00001	.00302	-.05707	1.44294	-.00233
.979	1.929	-.00001	.00607	-.11432	1.44212	-.00467
.979	4.112	-.00002	.00925	.17460	1.44237	-.00713
.979	6.325	.00001	.01229	.23130	1.44090	-.00941
.960	8.520	.00002	.01400	.26331	1.44059	-.01070
.979	10.712	.00001	.01508	.28384	1.44097	-.01154
	GRADIENT	-.00001	.00130	-.02455	.00143	-.00100

RUN NO. 79/ 0 RVL = 4.21 GRADIENT INTERVAL = -5.00/ 5.00

MAO4	ALPHA	CLM1	CLM2	QW	YCP4	CBW
1.130	-11.749	.00000	-.01067	-.20097	1.44130	-.00618
1.131	-9.410	.00000	-.00826	-.19558	1.44130	-.00633
1.131	-7.125	.00000	-.00514	-.09681	1.44130	-.00394
1.130	-4.830	.00000	-.00222	-.00181	1.44130	-.00170
1.130	-2.556	.00000	.00062	-.01168	1.44130	-.00048
1.130	-.317	.00000	.00403	-.07391	1.44130	-.00309
1.130	1.930	.00000	.00751	-.14145	1.44130	-.00576
1.130	4.136	.00000	.01056	-.19890	1.44130	-.00810
1.130	6.357	.00000	.01311	-.24693	1.44130	-.01005
1.130	8.575	.00000	.01492	-.28102	1.44130	-.01144
1.130	10.804	.00000	.01524	-.28328	1.44130	-.01153
GRADIENT		.00000	.00145	-.02726	.00000	-.00111

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (7A43)

PAGE 134

LARC 8-TPT-693 (7A43) CONFIGURATION 02/74/57

(RMCH17) (14 FEB 75)

REFERENCE DATA

SREF = 2680.0000 50. FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = -5.000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 69/ 0 RV/L = 4.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWD	QW	YCPW	CBW
1.200	-11.627	.00000	-.01043	.19645	1.44130	.00800
1.201	-9.475	.00000	-.00807	.15200	1.44130	.00819
1.201	-7.148	.00000	-.00492	.09267	1.44130	.00377
1.200	-4.857	-.00001	-.00166	.03106	1.43829	.00126
1.201	-2.569	.00000	.00172	-.03240	1.44130	-.00132
1.201	-.318	.00000	.00314	-.09681	1.44130	-.00394
1.201	1.932	.00000	.00837	-.15765	1.44130	-.00842
1.200	4.159	.00000	.01107	-.20850	1.44130	-.00849
1.200	6.382	.00001	.01348	-.25371	1.44093	-.01032
1.200	8.603	.00000	.01540	-.29006	1.44130	-.01181
1.200	10.839	.00000	.01557	-.29326	1.44130	-.01194
GRADIENT		.00000	.00143	-.02683	.00027	-.00109

LARC 8-TPT-693 (7A43) CONFIGURATION 02/71/57

(RMCH18) (14 FEB 75)

REFERENCE DATA

SREF = 2680.0000 50. FT. XMRP = 976.0000 IN. XT
LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
ELV-LI = .000 ELV-RI = .000
ELV-RO = .000 RUDDER = .000
SPDBRK = .000 BDFLAP = .000

RUN NO. 76/ 0 RV/L = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLWD	QW	YCPW	CBW
.601	-10.602	.00010	-.00880	.16763	1.44689	.00682
.600	-8.498	.00016	-.00633	.12224	1.45356	.00314
.601	-6.401	.00012	-.00383	.07440	1.45641	.00315
.600	-4.293	.00012	-.00132	.02712	1.48274	.00122
.599	-2.223	.00010	.00096	-.01620	1.38347	-.00096
.599	-.147	.00008	.00336	-.06176	1.42917	-.00243
.600	1.956	-.00012	.00553	-.10642	1.45186	-.00445
.600	4.059	-.00012	.00822	-.15706	1.44846	-.00851
.600	6.140	-.00014	.01106	-.21095	1.44752	-.00873
.600	8.220	-.00014	.01390	-.26444	1.44626	-.01090
.600	10.334	-.00008	.01686	-.31907	1.44365	-.01307
GRADIENT		-.00003	.00113	-.02196	.00002	-.00093

DATE 04 APR 73

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 133

LARC 8-TPT-693 (IA43) CONFIGURATION 02/11/57

(RMCH18) (14 FEB 75)

REFERENCE DATA

2REF = 2630.0000 IN. FT.
 1REF = 1230.3000 INCHES
 2REF = 1230.3000 INCHES
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-L1 = .000 ELV-R1 = .000
 ELV-R0 = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000

RUN NO. 75/ 0 RW/L = 3.98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLM	CLW	CLW	CM	YCFW	CBW
.901	-11.193	.00006	-.00955	.18101	1.44440	.00743	
.903	-8.937	.00006	-.00705	.13392	1.41550	.00551	
.905	-6.747	.00007	-.00391	.07496	1.45005	.00312	
.907	-4.551	.00006	-.00298	.01523	1.46999	.00096	
.909	-2.358	.00006	.00211	-.03861	1.42874	-.00151	
.911	-.207	.00007	.00498	-.08267	1.43422	-.00370	
.913	1.974	.00006	.00758	-.14164	1.43753	-.00571	
.915	4.139	.00006	.00865	-.16179	1.43783	-.00653	
.917	6.308	.00007	.01045	-.19513	1.43794	-.00787	
.919	8.473	.00006	.01197	-.22433	1.43879	-.00907	
.921	10.636	.00007	.01319	-.24712	1.43865	-.00999	
.923	GRADIENT	-.00003	.00114	-.02146	-.00248	-.00087	

RUN NO. 74/ 0 RW/L = 4.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLM	CLW	CLW	CM	YCFW	CBW
1.130	-11.634	.00007	-.01069	.20267	1.44454	.00832	
1.131	-9.309	.00006	-.00781	.14823	1.44509	.00609	
1.132	-7.006	.00005	-.00437	.08325	1.44693	.00344	
1.133	-4.762	.00005	-.00291	.01808	1.46720	.00079	
1.134	-2.511	.00005	.00316	-.05858	1.43350	-.00233	
1.135	-.269	.00004	.00709	-.13279	1.43948	-.00537	
1.136	1.937	.00005	.01046	-.19607	1.43891	-.00793	
1.137	4.149	.00004	.01350	-.25352	1.43962	-.01028	
1.138	6.361	.00007	.01609	-.30174	1.43913	-.01221	
1.139	8.556	.00006	.01741	-.32679	1.43958	-.01324	
1.140	10.752	.00005	.01698	-.31888	1.43983	-.01293	
1.129	GRADIENT	-.00003	.00162	-.03057	-.00222	-.00125	

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LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57

(RMCM29) (14 FEB 75)

REFERENCE DATA

SREF = 2690.0000 50.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000
 RV/L = 4.400

RUN NO. 148/ 0 RV/L = 4.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLLD	C/M	YCPW	CBW
.600	-2.325	.00004	.00001	.00057	2.10437	.00006
.800	-1.261	.00004	.00001	.00057	2.10437	.00006
.600	-.215	.00002	.00001	.00019	2.43590	.00003
.800	.873	.00002	.00004	-.00038	.94400	.00000
.600	1.925	.00002	.00001	.00019	2.43590	.00003
	GRADIENT	-.00001	.00000	-.00035	-.04789	-.00001

REFERENCE DATA

SREF = 2690.0000 50.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BOFLAP = .000
 RV/L = 5.150

RUN NO. 99/ 0 RV/L = 5.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLLD	C/M	YCPW	CBW
.600	-2.447	.00002	.00003	-.00019	.44670	.00001
.800	-1.361	.00001	.00002	-.00019	.94400	.00000
.600	-.282	.00001	.00002	-.00019	.94400	.00000
.800	.838	.00002	.00003	-.00019	.44670	.00001
.600	1.916	.00002	.00001	.00019	2.43590	.00003
	GRADIENT	.00000	-.00000	.00007	.31765	.00000



DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (1A43)

PAGE 137

LARC 8-TPT-693 (1A43) CONFIGURATION 02/14/57

(RHCMS1) (14 FEB 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000
 RV/L = 4.750

RUN NO. 100/ 0 RV/L = 4.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLM1	CLM2	CLM3	CLM4	YCFW	CBW
.900	-2.450	.00011	.00002	-.00019	.94400	.00000	.00000
.920	-1.369	.00001	.00002	-.00019	.94400	.00000	.00000
.901	-.253	.00000	.00001	-.00019	1.44130	-.00001	.00001
.901	.839	.00001	.00001	.00000	1.44139	.00001	.00001
.920	1.951	.00001	.00001	.00000	1.44139	.00001	.00001
	GRADIENT	-.00000	-.00000	.00005	.13566	.00000	.00000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPDRK = .000 BDFLAP = .000
 RV/L = 2.100

RUN NO. 101/ 0 RV/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLM1	CLM2	CLM3	CLM4	YCFW	CBW
1.200	-2.820	.00003	.00007	-.00075	1.06832	-.00000	.00000
1.200	-1.160	.00003	.00004	-.00019	-.05060	.00002	.00002
1.199	-.111	.00003	.00002	.00019	2.93320	.00004	.00004
1.199	.940	.00005	.00004	.00019	3.92780	.00006	.00006
1.199	1.969	.00003	.00004	-.00019	-.05060	.00002	.00002
	GRADIENT	.00000	-.00001	.00014	.16988	.00001	.00001

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DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 130

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57

(RMCH93) (14 FEB 75)

REFERENCE DATA

SREF = 2680.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPODRK = .000 BOFLAP = .000
 RIVL = 2.050

RUN NO. 102/ 0 RIVL = 1.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLMO	CM	YCPM	CBM
.981	-2.182	.00001	.00003	-.00038	1.19265	-.00001
.981	-1.137	.00004	.00005	-.00019	-.54790	.00003
.981	-.097	.00004	.00003	.00019	3.43050	.00005
.981	.942	.00001	.00003	-.00038	1.19265	-.00001
.981	1.972	.00001	.00003	-.00038	1.19265	-.00001
	GRADIENT	-.00003	-.00000	-.00002	.16738	-.00000

LARC 8-TPT-693 (IA43) CONFIGURATION 02/14/57

(RMCH94) (14 FEB 75)

REFERENCE DATA

SREF = 2680.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SPODRK = .000 BOFLAP = .000
 RIVL = 1.980

RUN NO. 103/ 0 RIVL = 1.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLMO	CM	YCPM	CBM
.901	-2.155	.00004	.00003	.00019	3.43050	.00005
.902	-1.132	.00004	.00003	.00019	3.43050	.00005
.901	-.096	.00004	.00006	-.00038	.44670	.00002
.903	.932	.00004	.00006	-.00038	.44670	.00002
.901	1.984	.00001	.00006	-.00094	1.34184	-.00003
	GRADIENT	-.00001	-.00001	-.00027	-.69089	-.00002

DATE 04 APR 75

TABULATED SOURCE DATA - LARC 693 (IA43)

PAGE 139

LARC 8-TFT-693 (IA43) CONFIGURATION 08/14/57

(RHCN35) (14 FEB 75)

REFERENCE DATA

SREF = 2630.0000 33. FT. YARP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YARP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZARP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SFDK = .000 BOFLAP = .000
 RV/L = 1.880

RUN NO. 1047 0 RV/L = 1.71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLMD	QW	YCPW	CBW
.801	-2.138	.00015	.00036	-.00019	-1.04520	.00004
.800	-1.120	.00008	.00003	.00094	2.23598	.00012
.800	-.090	.00008	.00003	.00094	2.23698	.00012
.800	.938	.00002	.00006	-.00075	1.19265	-.00001
.803	1.979	.00005	.00003	.00038	2.68455	.00007
GRADIENT	-.00001	-.00003	-.00006	.62204	-.00001	

LARC 8-TFT-693 (IA43) CONFIGURATION 08/14/57

(RHCN36) (14 FEB 75)

REFERENCE DATA

SREF = 2680.0000 33. FT. YARP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YARP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZARP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-LO = .000
 ELV-LI = .000 ELV-RI = .000
 ELV-RO = .000 RUDDER = .000
 SFDK = .000 BOFLAP = .000
 RV/L = 1.570

RUN NO. 1057 0 RV/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CLMT	CLMD	QW	YCPW	CBW
.600	-2.032	.00011	.00009	.00038	4.17645	.00013
.603	-1.085	.00002	.00003	-.00132	1.29921	-.00003
.605	-.067	.00002	.00005	-.00057	1.10977	-.00000
.603	.954	.00007	.00009	-.00038	-.29925	.00005
.602	1.971	.00002	.00005	-.00057	1.10977	-.00000
GRADIENT	-.00001	-.00001	-.00009	-.75947	-.00012	

ALL INFORMATION IS
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